Bayka® seit 1885

BAYERISCHE KABELWERKE AG

# RAIL TRANSPORT & PUBLIC TRANSPORT


## Cables acc. to national & international standards and specifications

- BayRail® for applications in control and safety technology
- BayCom® for applications in telecommunications
- BayEnergy® for applications in energy and grounding technology

Bilder: Shutterstock, Adobe Stock, NXP Semiconductors

# TABLE OF CONTENTS

## LONG-DISTANCE RAIL TRANSPORT

### German railways



### International railways



## PUBLIC TRANSPORT

### Tram – cables for outdoors



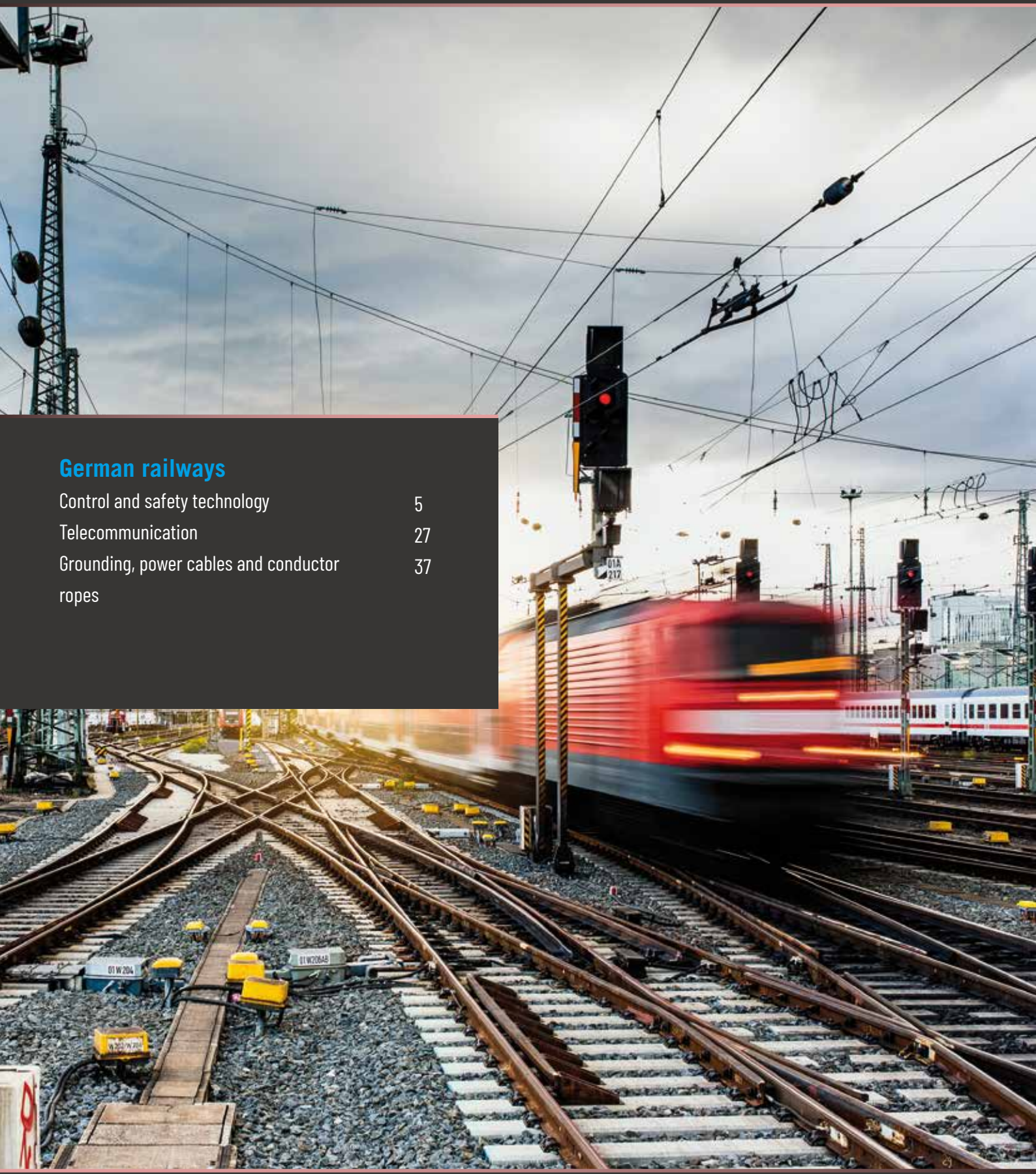
### Metro – highly flame retardant cables e.g. for tunnels



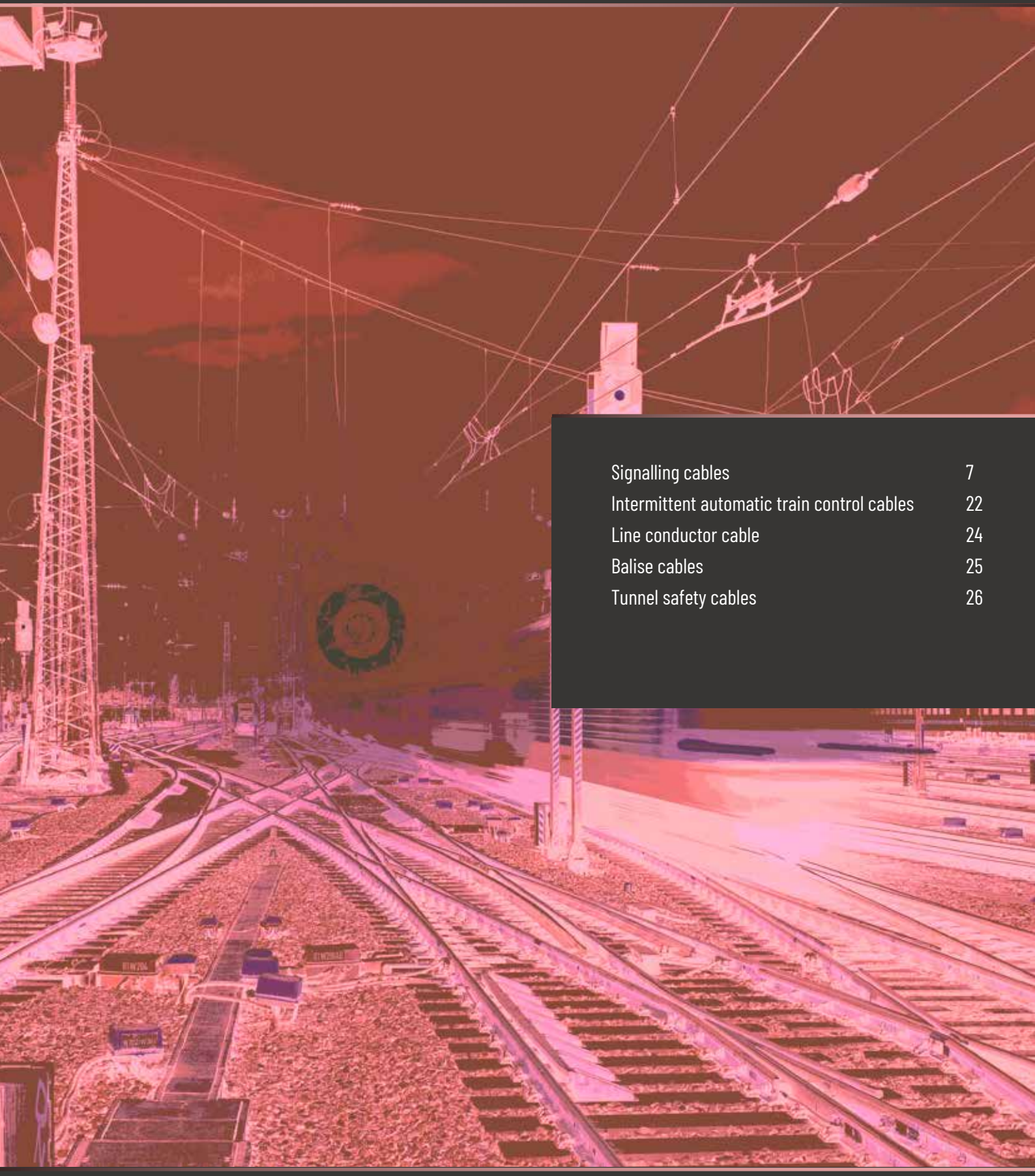
## ACCESSORIES



# LONG-DISTANCE RAIL TRANSPORT



## German railways



Accessories Signalling/telecommunications copper, Page 138

To the product:

# SHRINK CONNECTION SLEEVE SVSM

durable and safe connected

RELIABILITY AND STABILITY IN THE NETWORK

## NO TIME FOR STANDSTILL

DB-approved

easy installation

economical and sustainable

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayRail® A-2YOF(L)2YV ...x1x0,9 (H115)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,4 (H145)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,8 (H145)

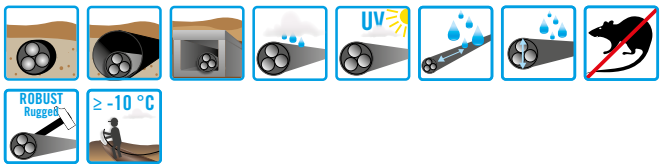

100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x0,9 (H115)


100% RoHS 100% REACH CE DB

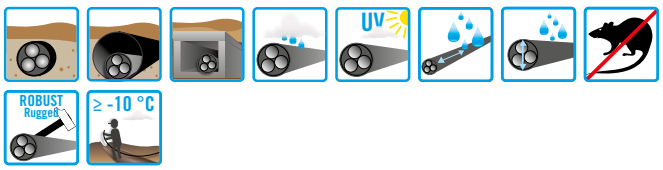



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,4 (H145)


100% RoHS 100% REACH CE DB

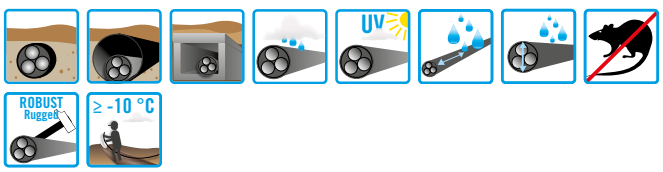



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,8 (H145)


100% RoHS 100% REACH CE DB




Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x0,9 (H115)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,4 (H145)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,8 (H145)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,4 (H95)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,8 (H95)

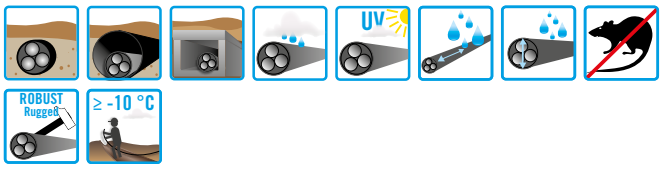

100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,4 (H95)


100% RoHS 100% REACH CE DB

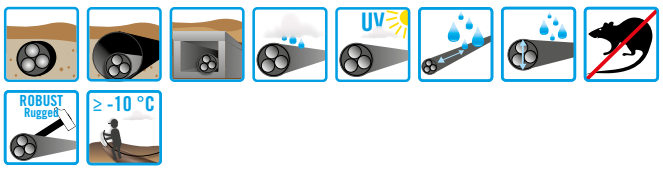



**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,8 (H95)


100% RoHS 100% REACH CE DB

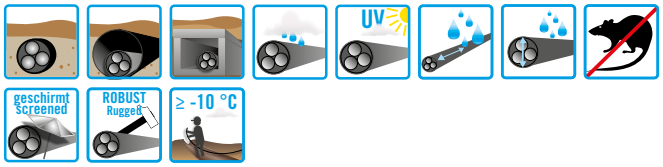



**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,4 (H95)


100% RoHS 100% REACH

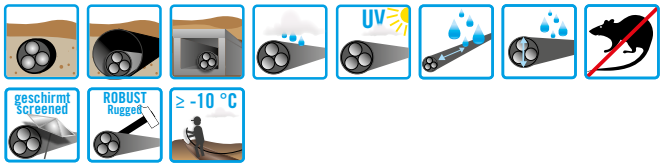



**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,8 (H95)


100% RoHS 100% REACH

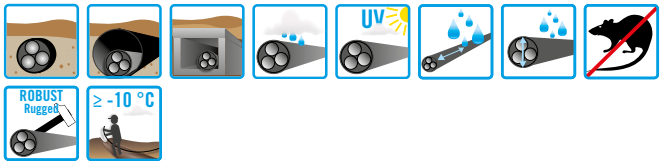



**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x2,25 (H95)


100% RoHS 100% REACH CE DB

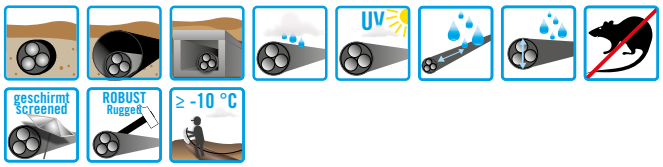



**Railway signal cables to control and monitor points far from the signal box**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x2,25 (H95)


100% RoHS 100% REACH CE DB




**Railway signal cables to control and monitor points far from the signal box**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

# BayRail® signalling cables, quad stranded, (H45), acc. to DB TL 416.0115

## BayRail® A-2Y(L)2YV ...x4x0,9 S


100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Reinforced laminated sheath: PE, black

## BayRail® A-2Y(L)2YV ...x4x1,4 S


100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Reinforced laminated sheath: PE, black

## BayRail® A-2Y(L)2YB2Y ...x4x0,9 (H45)


100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2Y(L)2YB2Y ...x4x1,4 (H45)


100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2Y(L)2YDB2Y ...x4x0,9 (H45)

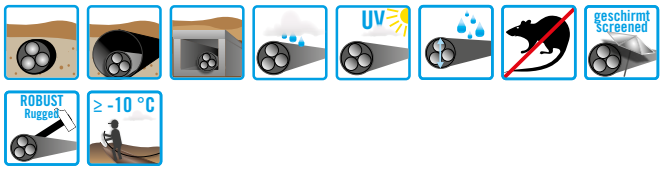

100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2Y(L)2YDB2Y ...x4x1,4 (H45)


100% RoHS 100% REACH CE DB




Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

# BayRail® signalling cables, combined signalling cables with quads and single cores, acc. to DB TL 416.0118

## BayRail® A-2Y(L)2Y2YV / A-2Y(L)2Y2YB2Y / AJ-2Y(L)2Y2YDB2Y


100% RoHS 100% REACH


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured; Counting quad with blue helix tape
- Combination of stranding in cores (upwards of the composite layer sheath) and stranding in quads (downwards of the composite layer sheath)
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Cable sheath, PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® CPR A-HHV ...x1x0,9 (H105)


100% RoHS 100% REACH CE


**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Diffusion barrier
- Outer sheath, halogen-free, flame retardant, black or blue

## BayRail® CPR A-HHV ...x1x1,4 (H120)


100% RoHS 100% REACH CE


**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Diffusion barrier
- Outer sheath, halogen-free, flame retardant, black or blue

## BayRail® CPR A-HHV ...x1x1,8 (H120)


100% RoHS 100% REACH CE

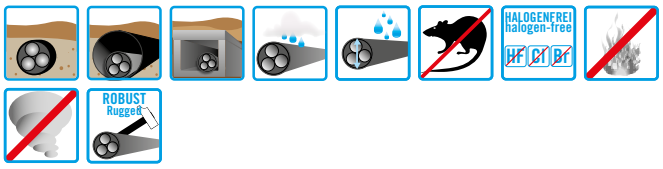

**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Diffusion barrier
- Outer sheath, halogen-free, flame retardant, black or blue

# BayRail® signalling cables, stranded in cores, armoured, acc. to Bayka factory specification, based on DB Dlk 1.13.102y

## BayRail® CPR A-HHBH ...x1x0,9 (H105)


100% RoHS 100% REACH CE

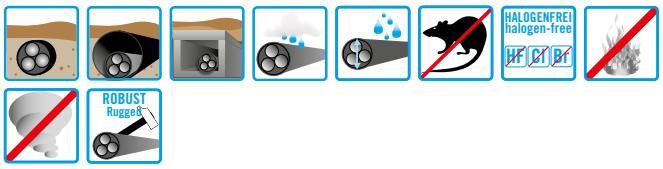



Installation-optimised, flame-retardant and anti-rodent signal cable, in interlocking and monitoring systems etc., suitable for outdoor installation, underground, in cable ducts and for all types of installation in tunnels and buildings

- Copper conductor, solid
- Insulation: halogen-free
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Inner sheath, halogen-free, black
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® CPR A-HHBH ...x1x1,4 (H120)


100% RoHS 100% REACH CE

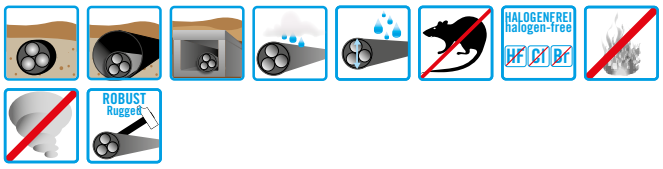



Installation-optimised, flame-retardant and anti-rodent signal cable, in interlocking and monitoring systems etc., suitable for outdoor installation, underground, in cable ducts and for all types of installation in tunnels and buildings

- Copper conductor, solid
- Insulation: halogen-free
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Inner sheath, halogen-free, black
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® CPR A-HHBH ...x1x1,8 (H120)


100% RoHS 100% REACH CE




Installation-optimised, flame-retardant and anti-rodent signal cable, in interlocking and monitoring systems etc., suitable for outdoor installation, underground, in cable ducts and for all types of installation in tunnels and buildings

- Copper conductor, solid
- Insulation: halogen-free
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Inner sheath, halogen-free, black
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

# BayRail® signalling cables, stranded in quads, acc. to Bayka factory specification, based on DB Dlk 1.013.201y



## BayRail® CPR A-H(L)HV ...x4x0,9 S Lg (H45)

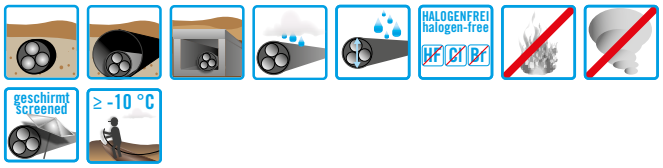

100% RoHS 100% REACH CE


**Halogen-free and flame-retardant railway signal cable, in interlocking and monitoring systems, etc., laid in ground and in cable ducts, and for pulling into cable conduits**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Composite layer sheath, Al-tape with tinned copper continuity wire and compound, halogen-free, flame retardant, black or blue

## BayRail® CPR A-H(St)HV ...x4x0,9 S Lg (H45)


100% RoHS 100% REACH CE

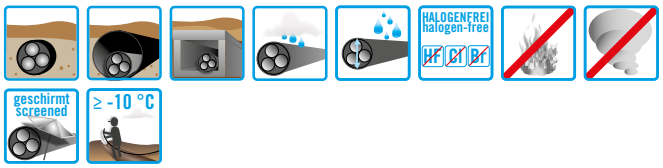



**Halogen-free and flame-retardant railway signal cable, in interlocking and monitoring systems, etc., laid in ground and in cable ducts, and for pulling into cable conduits**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Static screen, copper tape
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® CPR A-H(St)HV ...x4x1,4 (H45)


100% RoHS 100% REACH CE



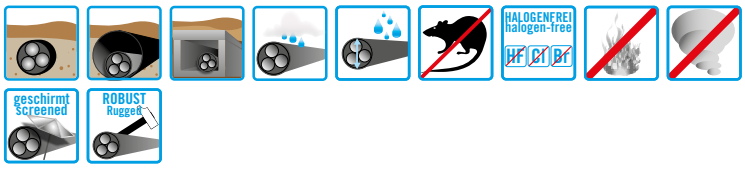

**Halogen-free and flame-retardant railway signal cable, in interlocking and monitoring systems, etc., laid in ground and in cable ducts, and for pulling into cable conduits**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Static screen, copper tape
- Outer protective covering, halogen-free, flame retardant, black or blue

# BayRail® signalling cables, stranded in quads, armoured, acc. to Bayka factory specification, based on DB Dlk 1.013.201y

## BayRail® CPR A-H(L)HBH ...x4x0,9 S (H45)

100% RoHS 100% REACH CE

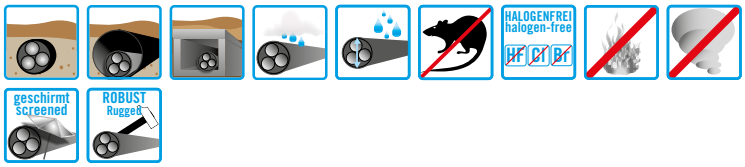



**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape with tinned copper continuity wire and compound, halogen-free
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® CPR A-H(L)HBH ...x4x1,4 S (H45)

100% RoHS 100% REACH CE




**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape with tinned copper continuity wire and compound, halogen-free
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® A-2Y(L)2YV


Railway signal cables for laying at the rail foot, for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, finely stranded
- Insulation: PE
- Reinforced composite layer sheath, Al-tape and PE, black

100% RoHS 100% REACH CE DB


## BayRail® A-2Y(L)2YB2Y


Railway signal cables for laying at the rail foot, for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, finely stranded
- Insulation: PE
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

100% RoHS 100% REACH CE DB


## BayRail® A-2Y(L)2Y(SR)2Y


Railway signal cables for laying at the rail foot, for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

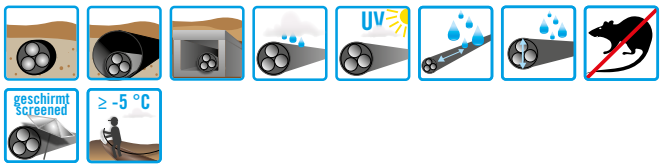
- Copper conductor, finely stranded
- Insulation: PE
- Composite layer sheath, Al-tape and PE, black
- Corrugated steel tape armouring
- Outer protective covering, PE, black

100% RoHS 100% REACH CE DB

# BayRail® control cables for intermittent automatic train control, for laying at the rail foot, fix installation, connection cables for intermittent automatic train control, acc. to DB TL 416.0119 and acc. to TL 416.0121

## BayRail® A-02YSTF(L)2YB2Y


100% RoHS 100% REACH CE DB




PZB / Indusi (inductive train protection) control cables according to TL 416.0119 are used for controlling the track and switching magnets of the PZB.

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cable core filled dryly, longitudinally watertight
- Composite layer sheath, Al-tape (static screen) and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-02YSTF(L)2Y(SR)2Y


100% RoHS 100% REACH CE DB


PZB / Indusi (inductive train protection) control cables according to TL 416.0119 are used for controlling the track and switching magnets of the PZB.

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cable core filled dryly, longitudinally watertight
- Composite layer sheath, Al-tape (static screen) and PE, black
- Armouring, corrugated steel tape
- Outer protective covering, PE, black

## BayRail® A-2YTF2Y(L)2Y


100% RoHS 100% REACH CE DB


PZB / Indusi (inductive train protection) connection cables according to TL 416.0121 are used for the direct connection of the track and switching magnets or the relays and switch boxes of the punctual train control (PZB trackside equipment).

- Copper conductor, finely stranded
- Insulation: PE
- Cable core filled dryly, longitudinally watertight
- Inner sheath, PE, black
- Composite layer sheath, Al-tape and PE, black

# BayRail® control cables for intermittent automatic train control, for laying at the rail foot, fix installation, connection cables for intermittent automatic train control, acc. to Dlk 1.013.168y

## BayRail® A-2YTF(L)2YV


**Control cables for intermittent automatic train control acc. to Dlk 1.013.168y are used to control the track and switching magnets of the PZB / Indusi (inductive train protection)**

- Copper conductor, finely stranded
- Insulation: PE
- Cable core filled dryly, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black, reinforced

100% RoHS 100% REACH CE DB

# BayRail® line conductor cables for line-train control systems, acc. to DB TL 416.0101

## BayRail® A-2Y(ZG)2Y

**Line conductor cable for the LZB system (line-train control). The standard version A-2Y(ZG)2Y is for laying on open track.**

- Copper conductor, stranded
- Insulation: PE
- Wrapping, plastic foil
- Non-metallic strain-relief elements
- Outer sheath, PE, black

100% RoHS 100% REACH CE DB

UV ≥ -5 °C

## BayRail® A-H(ZG)H

**Line conductor cable for the LZB system (line-train control). The flame-retardant FRNC version A-H(ZG)H is for laying in tunnels.**

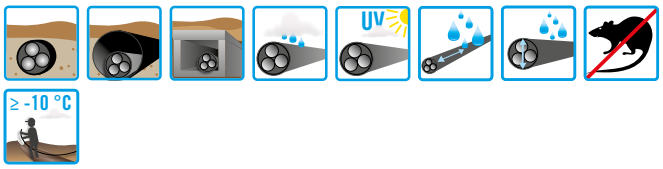
- Copper conductor, stranded
- Insulation: PE
- Wrapping, plastic foil
- Non-metallic strain-relief elements
- Outer sheath, halogen-free, flame retardant, black

100% RoHS 100% REACH CE DB

UV HALOGENFREI halogen-free HF CI Br ≥ -5 °C

## BayRail® A-2Y(L)2YB2Y 1x4x1,4


100% RoHS 100% REACH CE DB

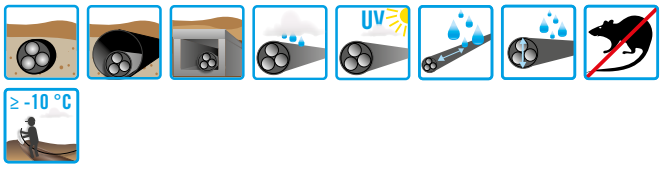



**Balise cables for fixed installation in earth or trough channels or on cable holders in shafts and on tunnel walls**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2Y(L)2YB2Y 1x4x1,53

100% RoHS 100% REACH CE DB




**Balise cables for fixed installation in earth or trough channels or on cable holders in shafts and on tunnel walls**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2Y(L)2YDB2Y 1x4x1,53

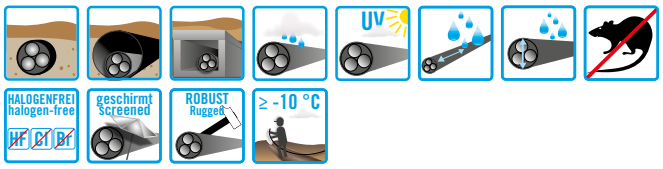
100% RoHS 100% REACH CE DB


**Balise cables for fixed installation in earth or trough channels or on cable holders in shafts and on tunnel walls**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayCom® Tusi® AJ-02YSF(L)2YDB2Y


100% RoHS 100% REACH CE

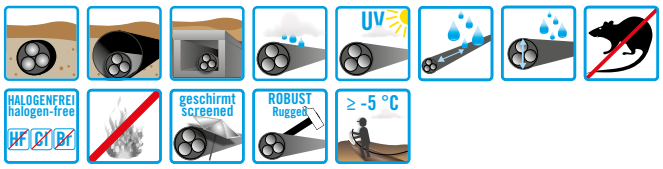



**Data cable for OLSP systems (overhead line voltage test) in tunnels, for connecting safety and signalling equipment in tunnel areas with operating voltage (peak) ≤ 225 V**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core filled with petrolat, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayCom® Tusi® AJ-02YSF(L)HDBH

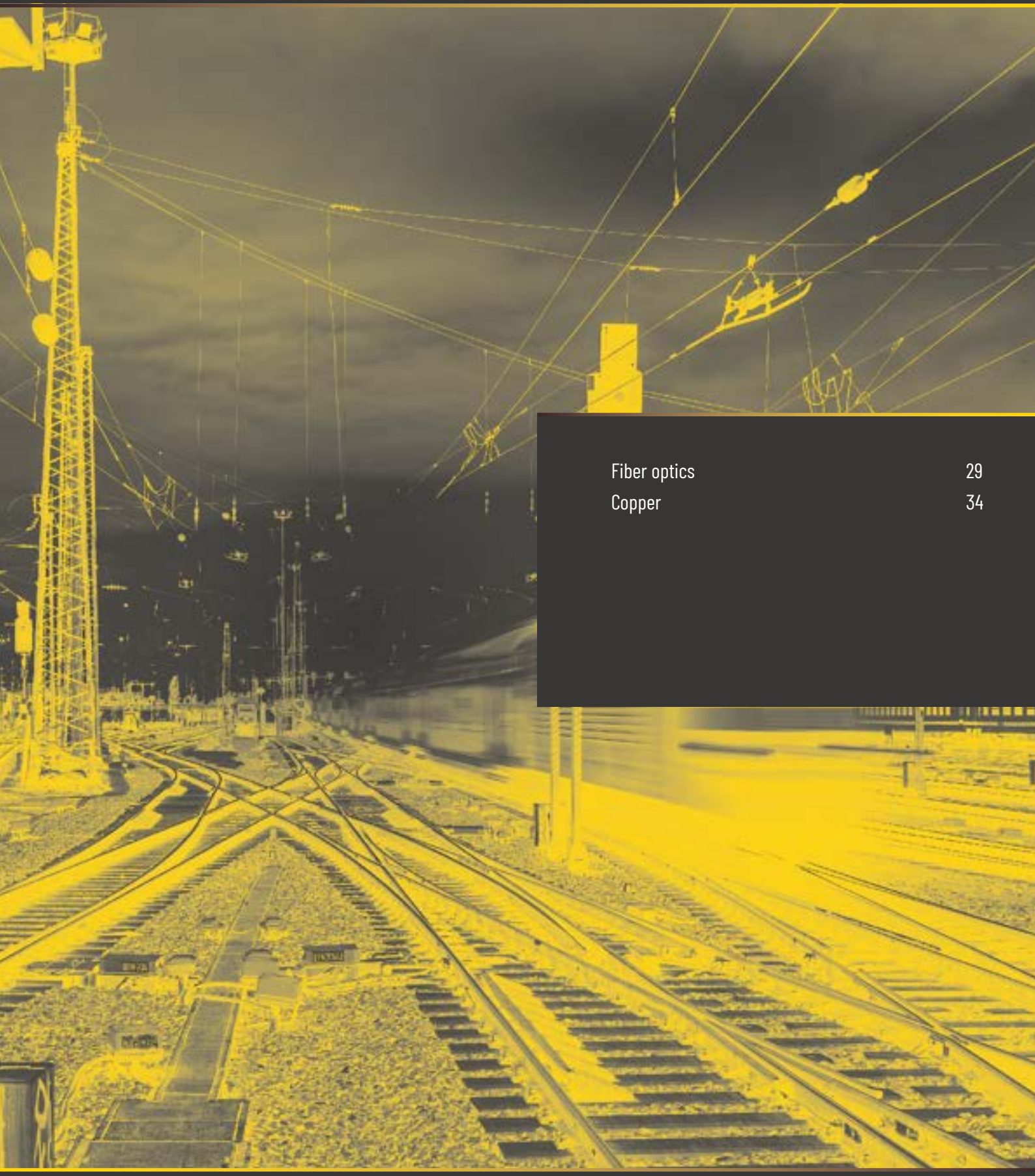

100% RoHS 100% REACH CE




**Flame-retardant data cable for OLSP systems (overhead line voltage test) in tunnels, for connecting safety and signalling equipment in tunnel areas**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core filled with petrolat, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

# Telecommunication



Accessories fiber optics, Page 143

To the product:

# FIBER-OPTIC CABLE REPAIR KIT / DAMAGE SLEEVE

**Fast, durable and safe repair**

RELIABILITY AND STABILITY IN THE NETWORK

## NO TIME FOR STANDSTILL

All parts enclosed

fast installation

reduced downtimes

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayCom® A-DQ(ZN)2Y

100% RoHS 100% REACH CE DB


**Non-armoured dry-filled FO outdoor cable of Deutsche Bahn for general cabling in the track area for laying in pipe and cable ducts.**

- central non-metallic support element
- optical fibers (E9/125)
- filled loose tubes with 12 fibers each
- cable core filled dryly, longitudinally watertight
- non-metallic strain-relief elements
- outer sheath, PE, black

## BayCom® A-DQ(ZN)2Y(SR)2Y

100% RoHS 100% REACH CE DB


**Reinforced dry-filled fibre optic outdoor cable of Deutsche Bahn for general cabling in the track area for laying in pipe and cable ducts.**

- central non-metallic support element
- optical fibers (E9/125)
- filled loose tubes with 12 fibers each
- cable core filled dryly, longitudinally watertight
- non-metallic strain-relief elements
- inner sheath, PE, black
- corrugated steel tape armouring
- outer protective covering, PE, black

# BayCom® FO-outdoor cable, conduit and trough cable design, acc. to DB TL 416.0505 V2.0 (replaces Dlk 1.011.003y)

## BayCom® A-DQ(ZN)2Y

100% RoHS 100% REACH DB


**Non-armoured dry-filled FO outdoor cable of Deutsche Bahn for general cabling in the track area for laying in pipe and cable ducts.**

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- Non-metallic strain-relief elements
- Outer sheath, PE, black

## BayCom® A-DQ(ZN)2Y(SR)2Y

100% RoHS 100% REACH DB


**Armoured dry-filled fibre optic outdoor cable of Deutsche Bahn for general cabling in the track area for laying in pipe and cable ducts.**

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- Non-metallic strain-relief elements
- Inner sheath, PE, black
- Armouring, corrugated steel tape
- Outer protective covering, PE, black

## BayCom® A-D2Y(ZN)2Y

100% RoHS 100% REACH DB


**Fibre optic aerial cable for laying on overhead cable masts, timber and other masts of DB AG**

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 12 fibers each
- Cable core wrapping
- Inner sheath, PE, black
- Non-metallic strain-relief elements
- Outer sheath, PE, black

## BayCom® RailOptic® SFK FO-rail foot cables

100% RoHS 100% REACH DB


RailOptic® SFK FO rail foot cables are intended for use in telecommunications systems. They can preferably be laid directly at the rail foot or other areas subject to vibration and shock, but are also suitable for laying in ground, pipes and cable ducts.

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 12 fibers each
- Cable core filled dryly, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Non-metallic strain-relief elements
- Steel wire armouring
- Outer protective covering, PE, black

## BayCom® CPR I-D(ZN)H Arcor TNP07 (E9/125)

100% RoHS 100% REACH DB


FO indoor cables for laying in buildings as a continuation of outdoor cables up to the cable termination device, as well as from cable termination device to distributors in special cases and for in-house networks

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 24 fibers each
- Non-metallic strain-relief elements
- Outer sheath, halogen-free, flame retardant, grey

## BayCom® CPR I-D(ZN)H Arcor TNP07 (G50/125)

100% RoHS 100% REACH DB


FO indoor cables for laying in buildings as a continuation of outdoor cables up to the cable termination device, as well as from cable termination device to distributors in special cases and for in-house networks (multimode with gradient fibres)

- Central non-metallic support element
- Optical fibers (G50/125)
- Filled loose tubes with 2 to 24 fibers each
- Non-metallic strain-relief elements
- Outer sheath, halogen-free, flame retardant, grey

## BayCom® A-02YSF(L)2Y ...x2x0,8 StIII Bd

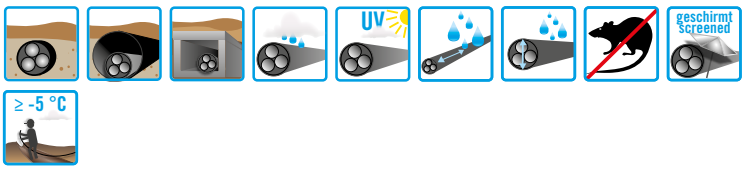
100% RoHS 100% REACH CE DB


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Core identification: ring marking
- Cores stranded to star quads, star quads stranded in bundles to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® AJ-02YSF(L)2YDB2Y ...x2x0,8 StIII Bd

100% RoHS 100% REACH CE DB




**Anti-inductiv connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Core identification: ring marking
- Cores stranded to star quads, star quads stranded in bundles to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Copper screen
- Wrapping, separating foil, plastic
- Steel tape armouring
- Outer protective covering, PE, black

# BayCom® communication cables St I, Underground cable version, acc. to DB TL 416.0530 (replaces Arcor TNP02)

## BayCom® A-02YSTF(L)2YV

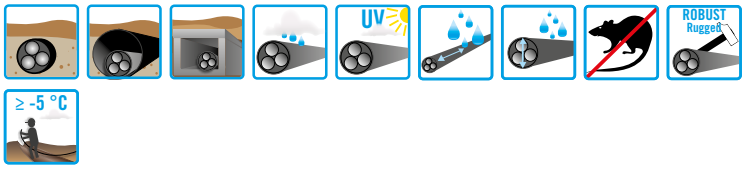
100% RoHS 100% REACH CE DB


Line telecommunication cables for general cabling in the line area. For use in new buildings as successor types to the paper-insulated cables with F, TF, TFS and coax construction elements according to Dlk 1.01.106 of Deutsche Bahn AG. For laying in soil, in cable troughs and pipe ducts according to the applicable regulations

- Copper conductor, solid
- perforated monitoring wires
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Swellable tape
- Composite layer sheath, Al-tape and PE, black, reinforced

## BayCom® A-02YSTF(L)2YB2Y / A-02YSTF(L)2Y(SR)2Y

100% RoHS 100% REACH CE DB

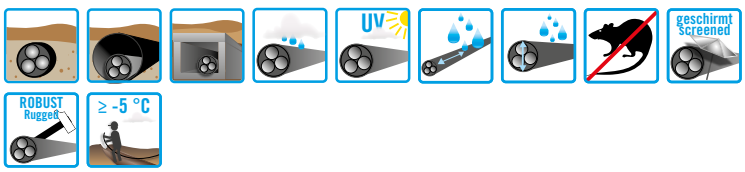



Armoured line telecommunication cables for general cabling in the line area. For use in new buildings as successor types to the paper-insulated cables with F, TF, TFS and coax construction elements according to Dlk 1.01.106 of Deutsche Bahn AG. For laying in soil, in cable troughs and pipe ducts according to the applicable regulations

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Swellable yarn and tape
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer sheath, PE, black

## BayCom® AJ-02YSTF(L)2YDB2Y

100% RoHS 100% REACH CE DB




Induction-protected armoured line telecommunication cables for general cabling in the line area. For use in new buildings as successor types to the paper-insulated cables with F, TF, TFS and coax construction elements according to Dlk 1.01.106 of Deutsche Bahn AG. For laying in soil, in cable troughs and pipe ducts according to the applicable regulations

- Copper conductor, solid
- perforated monitoring wires
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core filled dryly, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayCom® A-02YSTF(L)2YV

100% RoHS 100% REACH CE DB


Telecommunication rail foot cables for general cabling in DB AG telecommunications systems, especially in the track area. The cable is preferably intended for laying on or in the rail foot at train speeds of up to 160 km/h or in other areas subject to increased vibration in accordance with the applicable regulations, but also for laying in earth, trough and cable ducts

- Copper conductor, finely stranded
- perforated monitoring wires
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Wrapping, plastic foil
- Composite layer sheath, Al-tape and PE, black, reinforced

## BayCom® A-02YSTF(L)2YB2Y

100% RoHS 100% REACH CE DB


Telecommunication rail foot cables for general cabling in DB AG telecommunications systems, especially in the track area. The cable is preferably intended for laying on or in the rail foot at train speeds of up to 160 km/h or in other areas subject to increased vibration in accordance with the applicable regulations, but also for laying in earth, trough and cable ducts

- Copper conductor, finely stranded
- perforated monitoring wires
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Wrapping, plastic foil
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring, verzinkt
- Outer sheath, PE, black

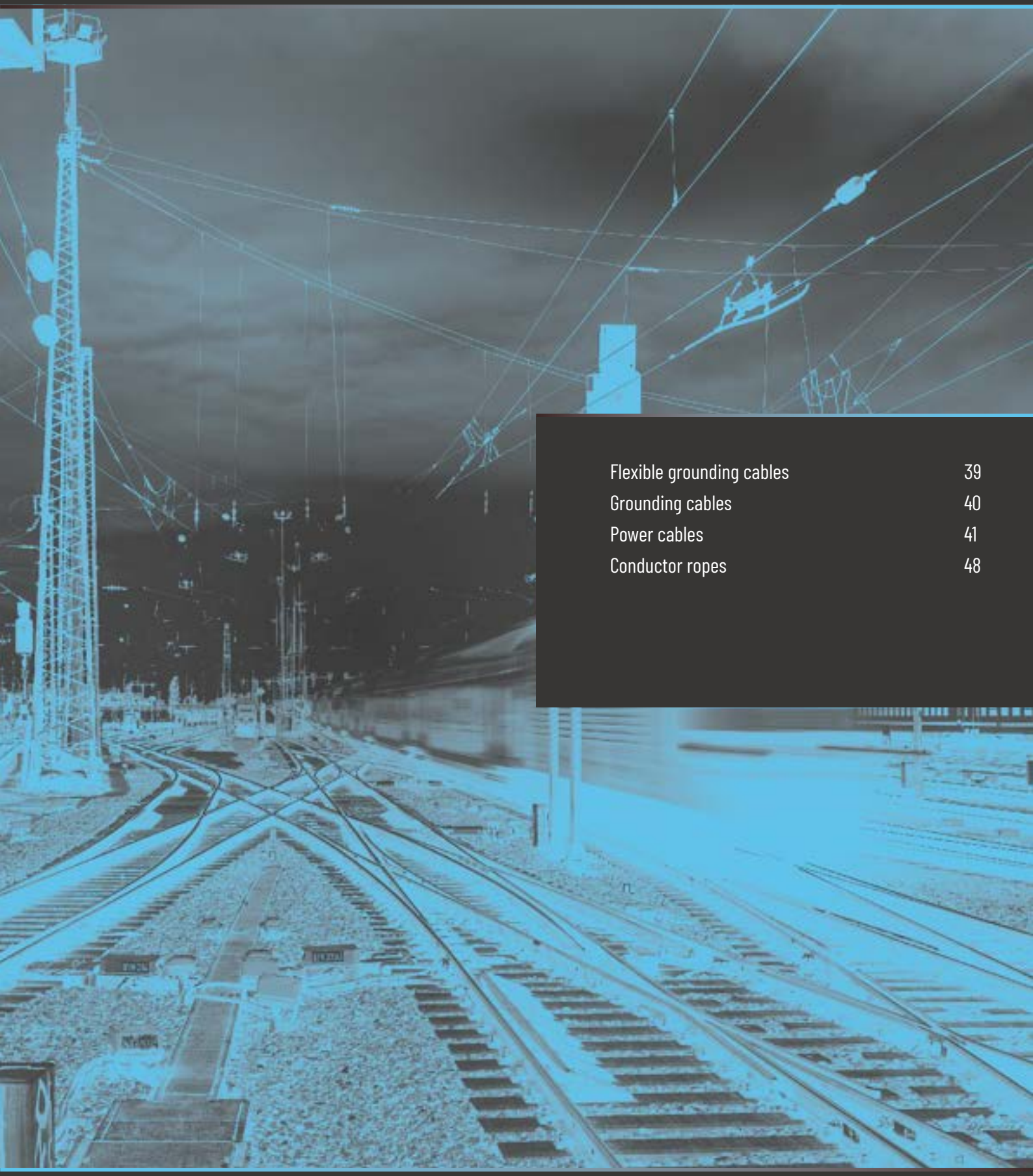
## BayCom® A-02YSTF(L)2Y(SR)2Y

100% RoHS 100% REACH CE DB


Telecommunication rail foot cables for general cabling in DB AG telecommunications systems, especially in the track area. The cable is preferably intended for laying on or in the rail foot at train speeds of up to 160 km/h or in other areas subject to increased vibration in accordance with the applicable regulations, but also for laying in earth, trough and cable ducts

- Copper conductor, finely stranded
- perforated monitoring wires
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Wrapping, plastic foil
- Composite layer sheath, Al-tape and PE, black
- Armouring, corrugated steel tape
- Outer sheath, PE, black

# Grounding cables, power cables and conductor ropes



Accessories energy technology, Page 145

To the products:

# CONNECTION COMPONENTS

easy, fast,
and safe installation

LOW AND MEDIUM VOLTAGE

## RELIABLE IN EVERY APPLICATION

Connection technology (lugs)

Connection technology (connectors)

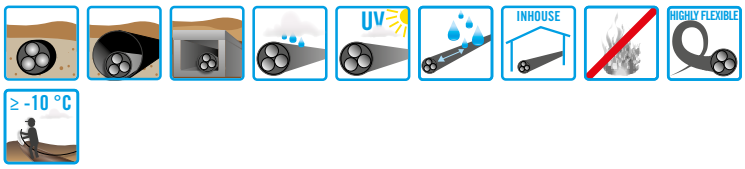
Shrinking technology

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayMotion® CPR (N)A(St)YY RF 0,6/1 kV

100% RoHS 100% REACH CE DB

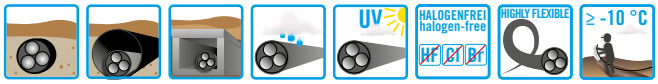



Finely-stranded and anti-theft aluminium railway grounding cable for short-circuit current-proof grounding and for potential equalisation between rails and conductive but not live parts (e.g. overhead line masts, supports of the train preheating system, sound insulation walls, railings)

- ALMGST-conductor, finely stranded with steel cord
- Insulation: PVC
- Wrapping, foil with colour code
- Outer sheath, PVC, black with blue cable designation stripes®

## BayEnergy® (N)2X CuStAl

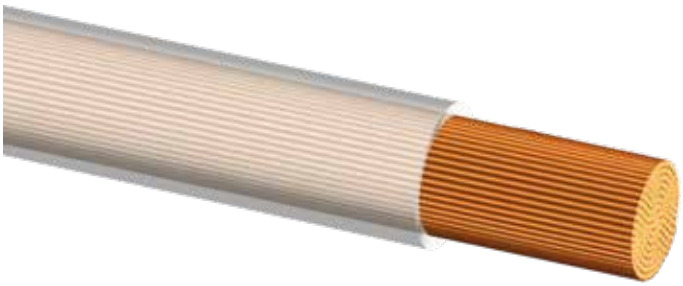

100% RoHS 100% REACH CE DB




Anti-theft flexible railway grounding cable for short-circuit current-proof grounding and for potential equalisation between rails and conductive but not live parts (e.g. overhead line masts, supports of the train preheating system, sound insulation walls, railings)

- CuStAl conductor, finely stranded
- Outer sheath, XLPE, black with blue cable designation stripes®

## BayMotion® CPR H00V-D



100% RoHS 100% REACH CE


BayMotion® CPR H00V-D (also known as ESY) are insulated conductors for mobile earthing and short-circuiting devices (EaS) according to EN 61230 (VDE 0683-100)

- Copper conductor, finely stranded
- PVC insulation, transparent

## BayEnergy® CPR (N)A(St)YY-O 0,6/1 kV

Anti-theft aluminium railway grounding cable for short-circuit current-proof grounding connection and for potential equalisation between rails and conductive but not live parts (e.g. catenary masts, supports of the train preheating system, sound insulation walls, railings)

- ALMG-conductor, stranded, with steel wire (ST)
- Insulation: PVC
- Outer sheath, PVC, black with blue cable designation stripes®

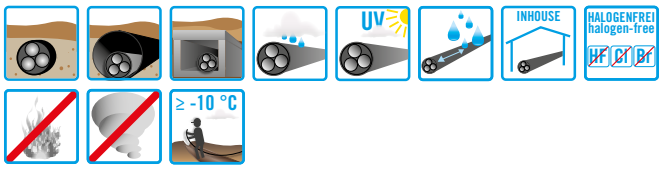
100% RoHS 100% REACH CE DB


## BayEnergy® CPR (N)A(St)2XH-O 0,6/1 kV

Anti-theft aluminium railway grounding cable for short-circuit current-proof grounding connection and for potential equalisation between rails and conductive but not live parts (e.g. catenary masts, supports of the train preheating system, sound insulation walls, railings)

- ALMG-conductor, stranded, with steel wire (ST)
- Insulation: XLPE
- Outer sheath, flame retardant, halogen-free, low smoke, black with blue cable designation stripes®

100% RoHS 100% REACH CE DB




## BayEnergy® CPR (N)AYY-O 0,6/1 kV

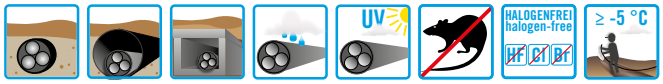
Aluminium railway grounding cable for short-circuit current-proof grounding connection and for potential equalisation between rails and conductive but not live parts (e.g. catenary masts, supports of the train preheating system, sound insulation walls, railings)

- ALMG-conductor, stranded
- Insulation: PVC
- Outer sheath, PVC, black with blue cable designation stripes®

100% RoHS 100% REACH CE DB

## BayEnergy® DB-(N)2X2YB2Y-O 0,6/1 kV


100% RoHS 100% REACH CE DB

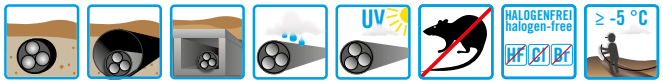



Cables for power distribution in the track field area of digital interlocking systems (German: digitales Stellwerk (DSTW))

- Copper, solid or stranded
- Insulation: XLPE
- Core colors: blue, brown, black, grey
- Inner covering
- Armouring: galvanized steel tapes
- Outer sheath, PE, black

## BayEnergy® DB-(N)2X2YFG2Y-O 0,6/1 kV


100% RoHS 100% REACH CE DB




Cables for power distribution in the track field area of digital interlocking systems (German: digitales Stellwerk (DSTW))

- Copper, solid or stranded
- Insulation: XLPE
- Core colors: blue, brown, black, grey
- Inner covering
- Armouring: galvanized steel flat wires with counter helix
- Outer sheath, PE, black

## BayEnergy® DB-(N)2X2YRG2Y-O 0,6/1 kV


100% RoHS 100% REACH CE DB


Cables for power distribution in the track field area of digital interlocking systems (German: digitales Stellwerk (DSTW))

- Copper, solid or stranded
- Insulation: XLPE
- Core colors: blue, brown, black, grey
- Inner covering
- Armouring: galvanized steel wires with counter helix
- Outer sheath, PE, black

## BayEnergy® CPR DB-(N)YYBY-O 0,6/1 kV


100% RoHS 100% REACH CE DB


**Cables for power distribution in the track field area of digital interlocking systems (German: digitales Stellwerk (DSTW))**

- Copper, solid or stranded
- Insulation: PVC
- Core colors: blue, brown, black, grey
- Inner covering
- Armouring: galvanized steel tapes
- Outer sheath, PVC, black

## BayEnergy® CPR DB-(N)YYFGY-O 0,6/1 kV


100% RoHS 100% REACH CE DB


**Cables for power distribution in the track field area of digital interlocking systems (German: digitales Stellwerk (DSTW))**

- Copper, solid or stranded
- Insulation: PVC
- Core colors: blue, brown, black, grey
- Inner covering
- Armouring: galvanized steel flat wires with counter helix
- Outer sheath, PVC, black

## BayEnergy® CPR DB-(N)YYRGY-O 0,6/1 kV


100% RoHS 100% REACH CE DB


**Cables for power distribution in the track field area of digital interlocking systems (German: digitales Stellwerk (DSTW))**

- Copper, solid or stranded
- Insulation: PVC
- Core colors: blue, brown, black, grey
- Inner covering
- Armouring: galvanized steel wires with counter helix
- Outer sheath, PVC, black

## BayEnergy® N2XS2Y 0,6/1 kV

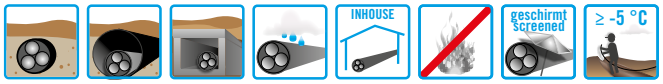

100% RoHS 100% REACH CE DB


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® N2XSY 0,6/1 kV


100% RoHS 100% REACH CE DB




Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping
- Copper screen with counter helix
- Outer sheath, PVC, black

## BayEnergy® CPR N2XSH 0,6/1 kV


100% RoHS 100% REACH CE DB


Halogen-free, flame-retardant cable for special applications, e.g. as a single-core web supply cable for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® N2XS(F)2Y 0,6/1 kV


100% RoHS 100% REACH CE DB


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® CPR N2XS(F)H 0,6/1 kV

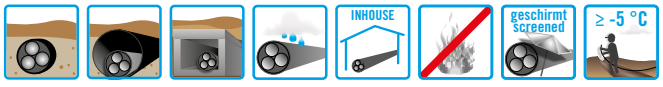

100% RoHS 100% REACH CE DB


Halogen-free, flame-retardant cable for special applications, e.g. as a single-core web supply cable for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® NYSY 0,6/1 kV

100% RoHS 100% REACH CE DB




Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: PVC
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, PVC, black

## BayEnergy® NA2XS2Y 0,6/1 kV


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Wrapping
- Outer sheath, PE, black

100% RoHS 100% REACH CE DB


## BayEnergy® NA2XSY 0,6/1 kV


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Wrapping
- Outer sheath, PVC, black

100% RoHS 100% REACH CE DB


## BayEnergy® NA2XS(F)2Y 0,6/1 kV


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Wrapping
- Outer sheath, PE, black

100% RoHS 100% REACH CE

## BayEnergy® (N)2XS2Y 1,8/3 kV

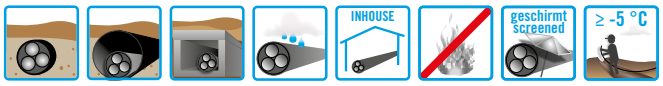
100% RoHS 100% REACH DB


**Halogen-free cable for special applications, e.g. as a single-core railway supply cable for AC railways and for traction current return for voltages up to 1.8/3 kV**

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® (N)2XSY 1,8/3kV


100% RoHS 100% REACH




**Cables for special applications, e.g. as single-core railway supply cables for alternating current railways and for traction current return for voltages up to 1.8/3 kV**

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PVC, black

## BayEnergy® CPR (N)2XSH 1,8/3 kV


100% RoHS 100% REACH


**Halogen-free, flame-retardant cable for special applications, e.g. as a single-core railway supply cable for AC railways and for traction current return for voltages up to 1.8/3 kV**

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® (N)A2XS2Y 1,8/3 kV

100% RoHS 100% REACH DB


**Halogen-free cable for special applications, e.g. as a single-core railway supply cable for AC railways and for traction current return for voltages up to 1.8/3 kV**

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® (N)A2XSY 1,8/3kV


100% RoHS 100% REACH DB


**Cables for special applications, e.g. as single-core railway supply cables for alternating current railways and for traction current return for voltages up to 1.8/3 kV**

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PVC, black

## BayEnergy® Al-rope for overhead lines type AL1

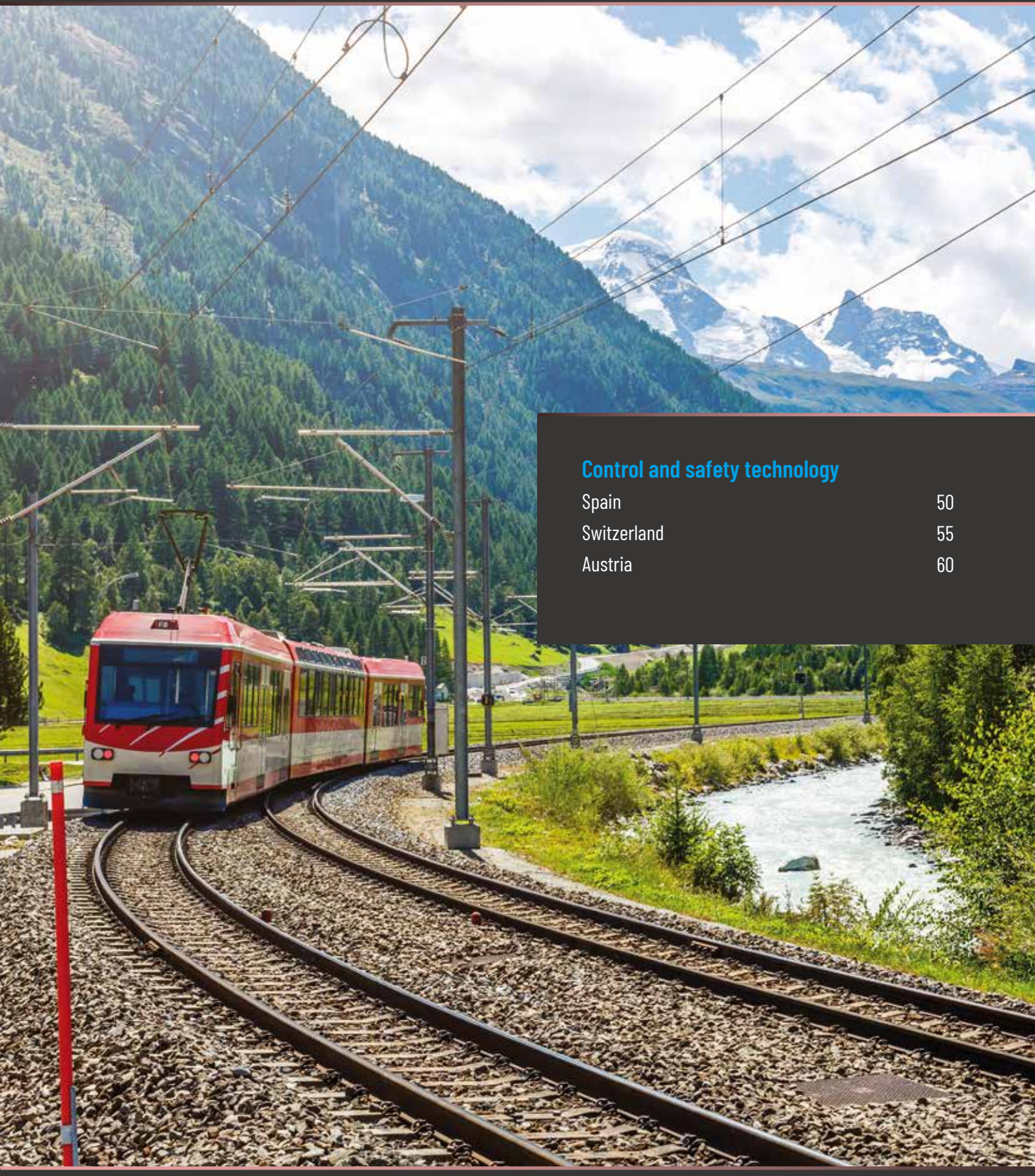
100% RoHS 100% REACH CE

Aluminium rope acc. to EN 50182 type AL1 for overhead lines, e.g. various applications in railway overhead contact lines

- Aluminium conductor, stranded

# LONG-DISTANCE RAIL TRANSPORT

## International railways



### Control and safety technology

## BayRail® CCPSSP-H

100% RoHS 100% REACH CE adif


**Single core stranded, anti-inductive, steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded in cores
- cable core wrapping
- inner sheath, PE, black (optional)
- screen, copper wires or tape
- inner sheath, PE, black
- steel tape armouring
- outer protective covering, PE, black

## BayRail® CCPSSP-X

100% RoHS 100% REACH CE adif


**Quad-stranded, anti-inductive, steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to quads, quads stranded in layers to form the cable core
- cable core wrapping
- inner sheath, PE, black (optional)
- screen, copper wires or tape
- inner sheath, PE, black
- steel tape armouring
- outer protective covering, PE, black

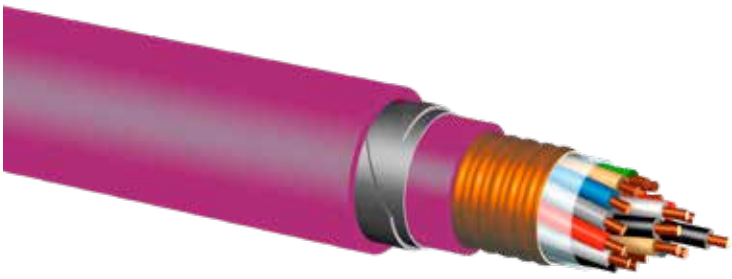
## BayRail® CCPSSP-P

100% RoHS 100% REACH CE adif


**Pair-stranded, anti-inductive, steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to a pair
- cable core wrapping
- inner sheath, PE, black (optional)
- screen, copper wires or tape
- inner sheath, PE, black
- steel tape armouring
- outer protective covering, PE, black

## BayRail® nonfire CCTSST-H



100% RoHS 100% REACH CE adif


**Single core stranded, anti-inductive, steel tape armoured, halogen-free and highly flame retardant railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded in cores
- cable core wrapping
- inner sheath (optional)
- screen, copper wires or tape
- inner sheath, halogen-free, flame retardant
- steel tape armouring
- outer protective covering, halogen-free, flame retardant, violet

## BayRail® nonfire CCTSST-X

100% RoHS 100% REACH CE adif


**Quad-stranded, anti-inductive, steel tape armoured, halogen-free and highly flame retardant railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to quads, quads stranded in layers to form the cable core
- cable core wrapping
- inner sheath (optional)
- screen, copper wires or tape
- inner sheath, halogen-free, flame retardant
- steel tape armouring
- outer protective covering, halogen-free, flame retardant, violet

## BayRail® nonfire CCTSST-P

100% RoHS 100% REACH CE adif


**Pair-stranded, anti-inductive, steel tape armoured, halogen-free and highly flame retardant railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to a pair
- cable core wrapping
- inner sheath (optional)
- screen, copper wires or tape
- inner sheath, halogen-free, flame retardant
- steel tape armouring
- outer protective covering, halogen-free, flame retardant, violet

## BayRail® EAPSSP-H

100% RoHS 100% REACH CE adif


**Single core stranded, radially watertight, steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded in cores
- cable core wrapping
- composite layer sheath, Al-tape and PE, black
- armouring, 2 layers galvanised steel tape
- outer protective covering, PE, black

## BayRail® EAPSSP-X

100% RoHS 100% REACH CE adif


**Quad-stranded, radially watertight, steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to quads, quads stranded in layers to form the cable core
- cable core wrapping
- composite layer sheath, Al-tape and PE, black
- armouring, 2 layers galvanised steel tape
- outer protective covering, PE, black

## BayRail® nonfire EATSST-H

100% RoHS 100% REACH CE adif


**Single core stranded, radially watertight, steel tape armoured, halogen-free and highly flame retardant railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded in cores
- cable core wrapping
- composite layer sheath, Al-tape and compound, halogen-free, flame retardant, black
- armouring, 2 layers galvanised steel tape
- outer protective covering, halogen-free, flame retardant, violet

## BayRail® nonfire EATSST-X

100% RoHS 100% REACH CE adif


**Quad-stranded, radially watertight, steel tape armoured, halogen-free and highly flame retardant railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to quads, quads stranded in layers to form the cable core
- cable core wrapping
- composite layer sheath, Al-tape and compound, halogen-free, flame retardant, black
- armouring, 2 layers galvanised steel tape
- outer protective covering, halogen-free, flame retardant, violet

## BayRail® EAPSP-H

100% RoHS 100% REACH CE adif


**Single core stranded, radially watertight, corrugated steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded in cores
- cable core wrapping
- composite layer sheath, Al-tape and PE, black
- armouring, corrugated steel tape
- outer protective covering, PE, black

## BayRail® EAPSP-X

100% RoHS 100% REACH CE adif


**Quad-stranded, radially watertight, corrugated steel tape armoured and halogen-free railway signaling cables, in railway control centres and surveillance systems**

- copper conductor, solid
- Insulation: PE
- cores stranded to quads, quads stranded in layers to form the cable core
- cable core wrapping
- composite layer sheath, Al-tape and PE, black
- armouring, corrugated steel tape
- outer protective covering, PE, black

## BayRail® SW-CLT ...x4x1,0 mm


100% RoHS 100% REACH CE


**Interlocking cable with thin steel tape armouring, halogen-free PE insulation and star quad stranding for railways, remote control, signalling, control and safety signals.**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape armouring
- Outer sheath, PE, black

## BayRail® SW-CLT ...x4x1,5 mm

100% RoHS 100% REACH CE


**Interlocking cable with thin steel tape armouring, halogen-free PE insulation and star quad stranding for railways, remote control, signalling, control and safety signals.**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape armouring
- Outer sheath, PE, black

## BayRail® SW-CLT ...x4x2,2 mm


100% RoHS 100% REACH CE


**Interlocking cable with thin steel tape armouring, halogen-free PE insulation and star quad stranding for railways, remote control, signalling, control and safety signals.**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape armouring
- Outer sheath, PE, black

## BayRail® SW-CLE Soil Z4Z1 ...x4x1,5


100% RoHS 100% REACH CE


**Universal flame retardant cable for railway control center, acc. to CPR class Eca with light steel tape armouring, stranded to quads for railways, controlling, signalling application and safety-signals**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape armouring
- Outer sheath, halogen-free, flame retardant, black

## BayRail® nonfire SW-CLZ1 ...x4x1,5


100% RoHS 100% REACH CE


**Installation-optimised, flame-retardant interlocking cable and signalling cable CPR/BauPV class B2ca in interlocking and monitoring systems, for railways, remote control, signalling, control and safety signals**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, halogen-free, flame retardant, black
- Steel tape armouring
- Outer sheath, halogen-free, flame retardant, black

# BayRail® Signalling cables, stranded in quads, halogen-free, flame retardant, low smoke, acc. to Bayka factory specification, based on DB Dlk 1.013.201y

## BayRail® CPR A-H(L)HV ...x4x0,9


100% RoHS 100% REACH CE


**Halogen-free and flame-retardant railway signal cable, in interlocking and monitoring systems, etc., laid in ground and in cable ducts, and for pulling into cable conduits**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Composite layer sheath, Al-tape with tinned copper continuity wire and compound, halogen-free, flame retardant, black or blue

## BayRail® CPR A-H(St)HV ...x4x0,9

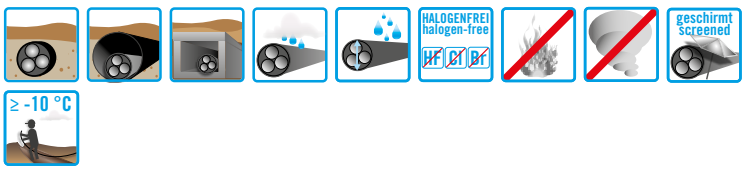

100% RoHS 100% REACH CE


**Halogen-free and flame-retardant railway signal cable, in interlocking and monitoring systems, etc., laid in ground and in cable ducts, and for pulling into cable conduits**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Static screen, copper tape
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® CPR A-H(St)HV ...x4x1,4


100% RoHS 100% REACH CE



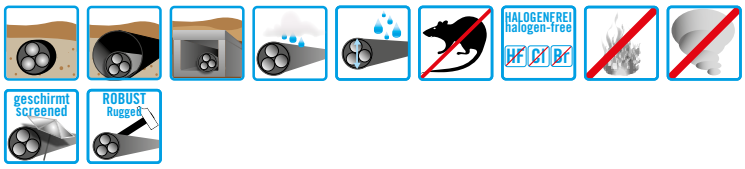

**Halogen-free and flame-retardant railway signal cable, in interlocking and monitoring systems, etc., laid in ground and in cable ducts, and for pulling into cable conduits**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Static screen, copper tape
- Outer protective covering, halogen-free, flame retardant, black or blue

# BayRail® Signalling cables, stranded in quads, armoured, halogen-free, flame retardant, low smoke, acc. to Bayka factory specification, based on DB Dlk 1.013.201y

## BayRail® CPR A-H(L)HBH ...x4x0,9

100% RoHS 100% REACH CE

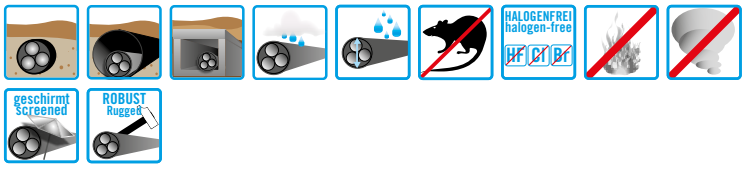



**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape with tinned copper continuity wire and compound, halogen-free
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® CPR A-H(L)HBH ...x4x1,4

100% RoHS 100% REACH CE




**Installation-optimised, transversely waterproof and flame-retardant signal cable, in interlocking and monitoring systems etc., suitable for laying outdoors, in the ground, in cable ducts and for all types of installation in tunnels and buildings**

- Copper conductor, solid
- Insulation: halogen-free
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape with tinned copper continuity wire and compound, halogen-free
- Steel tape armouring
- Outer protective covering, halogen-free, flame retardant, black or blue

## BayRail® PE-ALT-CLT 1x4x1,53 mm


**PE-insulated signal cable as connection between ETCS balises and Lineside Equipment Unit LEU for the ERTMS (European Rail Traffic Management System)**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer sheath, PE, black

100% RoHS 100% REACH

## BayRail® CPR S-2Y2YBY ...x0,75 (H100)

100% RoHS 100% REACH CE ÖBB


**Single-core stranded railway safety cables acc. to Austrian specification and approved for the use in the ÖBB (Austrian Federal Railways) network**

- Copper conductor, solid, stranded or finely stranded
- Insulation: PE
- Core color code: count core blue, other cores nature
- Cores stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape
- Protective covering, PVC, grey

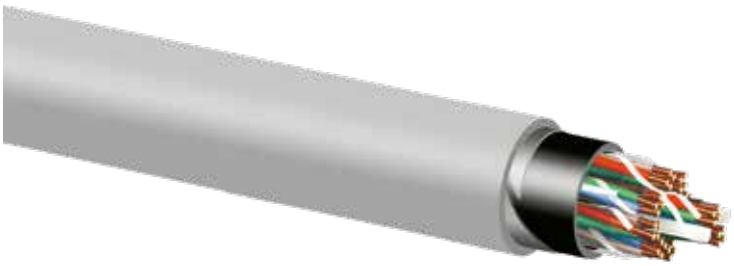
## BayRail® CPR S-2Y2YBY ...x... (H120)

100% RoHS 100% REACH CE ÖBB


**Single-core stranded railway safety cables acc. to Austrian specification and approved for the use in the ÖBB (Austrian Federal Railways) network**

- Copper conductor, solid, stranded or finely stranded
- Insulation: PE
- Core color code: count core blue, other cores nature
- Cores stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape
- Protective covering, PVC, grey

## BayRail® CPR S-2Y2YBY ...x4x0,8

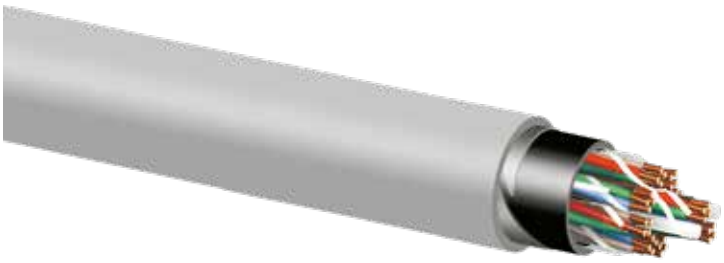


100% RoHS 100% REACH CE ÖBB


**Railway signalling cable for track vacancy detection systems at lines of the Austrian Federal Railways (ÖBB)**

- Copper conductor, solid
- Insulation: PE
- Core color code: nature, red, green, blue; for count quad: black instead of nature
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape
- Protective covering, PVC, grey

## BayRail® CPR S-2Y2YBY ...x4x0,9

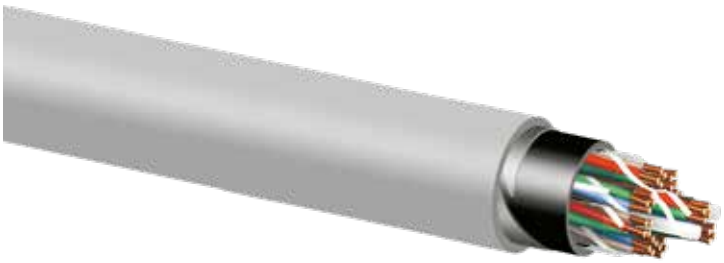


100% RoHS 100% REACH CE ÖBB


**Railway signalling cable for track vacancy detection systems at lines of the Austrian Federal Railways (ÖBB)**

- Copper conductor, solid
- Insulation: PE
- Core color code: nature, red, green, blue; for count quad: black instead of nature
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape
- Protective covering, PVC, grey

## BayRail® CPR S-2Y2YBY ...x4x1,4



100% RoHS 100% REACH CE ÖBB


**Railway signalling cable for track vacancy detection systems at lines of the Austrian Federal Railways (ÖBB)**

- Copper conductor, solid
- Insulation: PE
- Core color code: nature, red, green, blue; for count quad: black instead of nature
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape
- Protective covering, PVC, grey

# Induction protected armoured railway signalling cables acc. to ÖBB testing system signalling cables

## BayRail® S-2Y2YCB2Y ...x... (≥ 1,5 mm²)

100% RoHS 100% REACH CE ÖBB


**Single-core stranded, induction protected railway safety cables acc. to Austrian specification and approved for the use in the ÖBB (Austrian Federal Railways) network.**

- Copper conductor, solid, stranded or finely stranded
- Insulation: PE
- Core color code: count core blue, other cores nature
- Cores stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Copper screen with counter helix
- Wrapping, separating foil, plastic
- Steel tape
- Protective covering, HDPE, grey

## BayRail® S-2Y2YCB2Y ...x4x0,9

100% RoHS 100% REACH CE ÖBB


**Induction protected railway signalling cable for track vacancy detection systems at lines of the Austrian Federal Railways (ÖBB)**

- Copper conductor, solid
- Insulation: PE
- Core color code: nature, red, green, blue; for count quad: black instead of nature
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Copper screen with counter helix
- Wrapping, separating foil, plastic
- Steel tape
- Protective covering, HDPE, grey

## BayRail® S-2Y2YCB2Y ...x4x1,4

100% RoHS 100% REACH CE ÖBB


**Induction protected railway signalling cable for track vacancy detection systems at lines of the Austrian Federal Railways (ÖBB)**

- Copper conductor, solid
- Insulation: PE
- Core color code: nature, red, green, blue; for count quad: black instead of nature
- Cores stranded to star quads, star quads stranded in layers to form the cable core
- Cable core wrapping
- Inner sheath, PE, black
- Copper screen with counter helix
- Wrapping, separating foil, plastic
- Steel tape
- Protective covering, HDPE, grey

# Track conductor cable (loop cable) for the continous train control (LZB) system acc. to ÖBB (Austrian Federal Railways) specification



## BayRail® S-2Y(ZG)2Y

**Track conductor cable (loop cable) for the continous train control (LZB) system of the ÖBB (Austrian Federal Railways)**

- Copper conductor, stranded
- Insulation: PE
- Wrapping, plastic foil
- Non-metallic strain-relief elements, embedded in the sheath
- Outer sheath, PE, black

100% RoHS 100% REACH CE ÖBB


## BayRail® CPR S-H(ZG)H

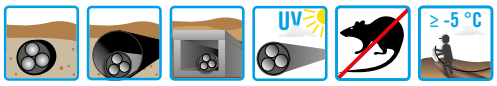
**Flame-retardant track conductor cable (loop cable) for the continous train control (LZB) system of the ÖBB (Austrian Federal Railways)**

- Copper conductor, stranded
- Insulation: PE
- Wrapping, plastic foil
- Non-metallic strain-relief elements, embedded in the sheath
- Outer sheath, halogen-free, flame-retardant, blue

100% RoHS 100% REACH CE ÖBB

## BayRail® S-X2Y2YB11Y 1x4x0,38 mm²

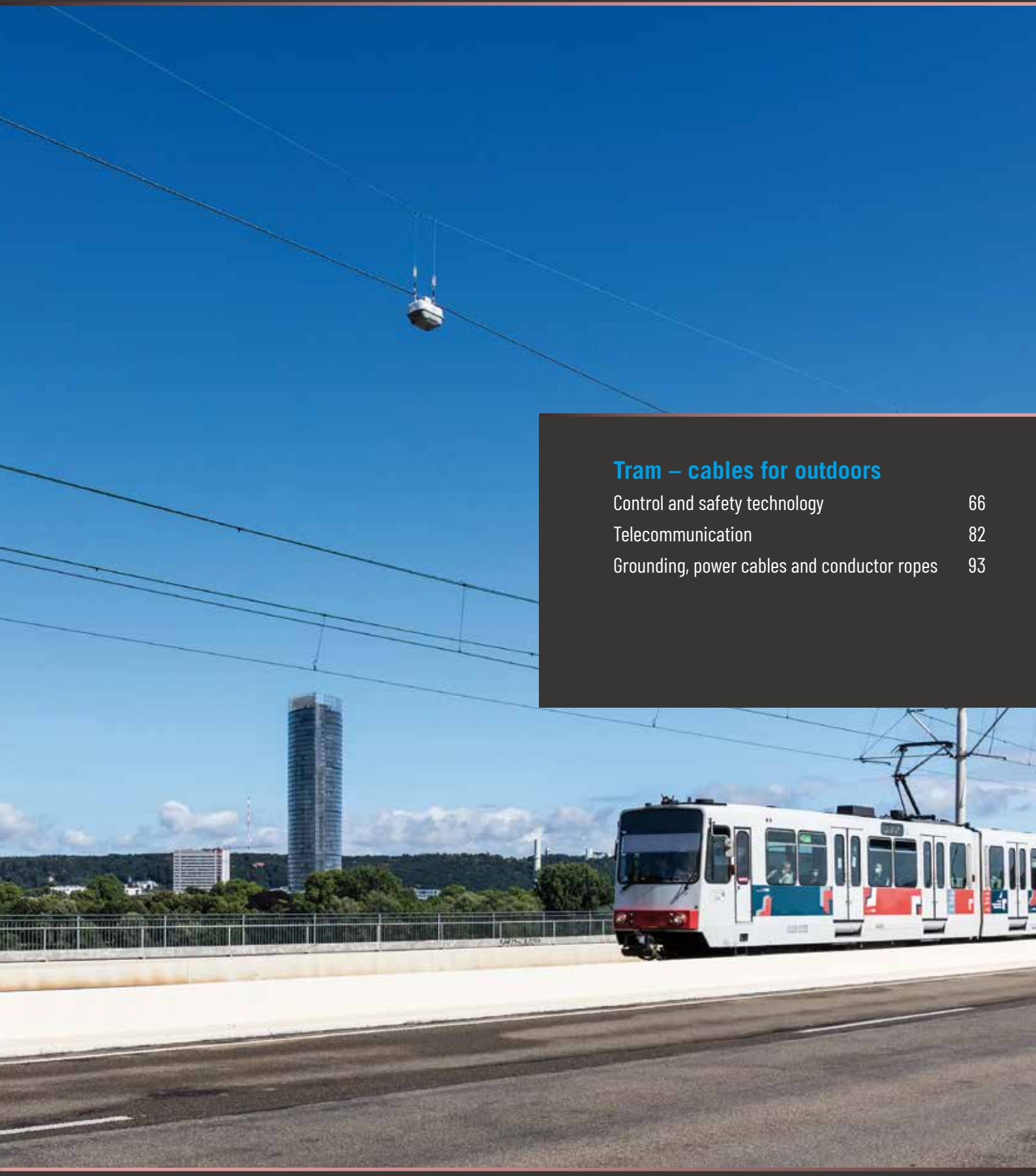
100% RoHS 100% REACH CE ÖBB



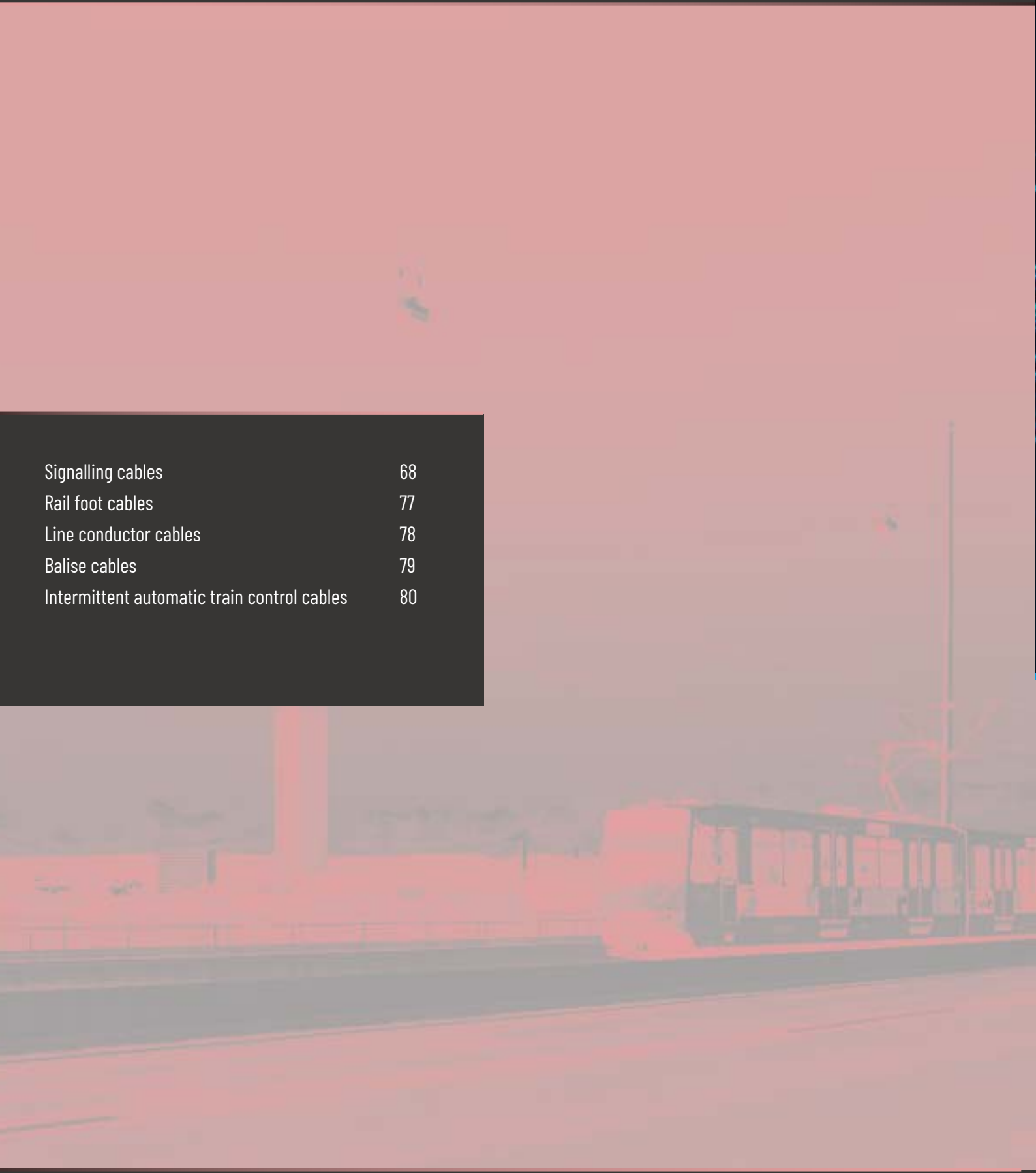

**Railway signalling cable for intermittent automatic train control (PZB / Indusi) systems at lines of the Austrian Federal Railways (ÖBB)**

- Copper conductor, finely stranded
- Insulation: PE
- Core color code: nature, red, nature, red
- Cores stranded to star quads
- Cable core wrapping
- Inner sheath, PE, black
- Steel tape
- Protective covering, PU, black

# PUBLIC TRANSPORT



## Tram – cables for outdoors



Accessories Signalling/telecommunications copper, Page 138

To the product:

# SHRINK CONNECTION SLEEVE SVSM

durable and safe connected

RELIABILITY AND STABILITY IN THE NETWORK

## NO TIME FOR STANDSTILL

DB-approved

easy installation

economical and sustainable

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayRail® A-2YOF(L)2YV ...x1x0,9 (H115)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,4 (H95)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,4 (H145)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,8 (H95)


100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YV ...x1x1,8 (H145)

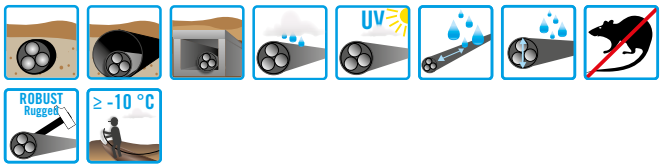

100% RoHS 100% REACH CE DB


**Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Reinforced composite layer sheath, Al-tape and PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x0,9 (H115)


100% RoHS 100% REACH CE DB

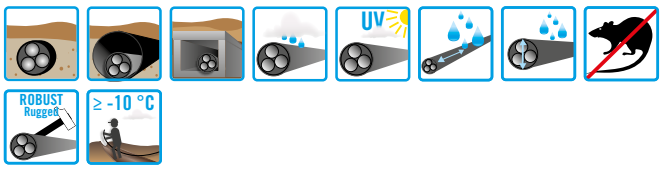



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,4 (H95)


100% RoHS 100% REACH CE DB

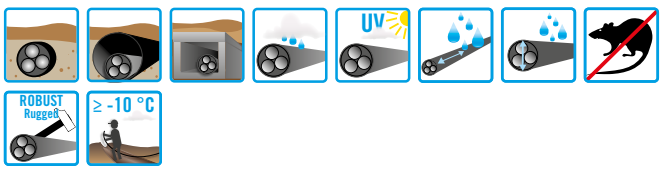



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,4 (H145)


100% RoHS 100% REACH CE DB

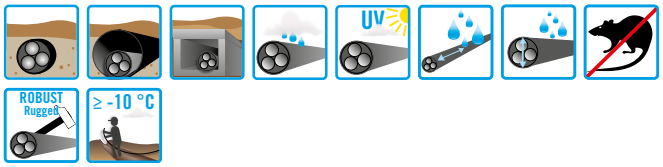



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,8 (H95)


100% RoHS 100% REACH CE DB

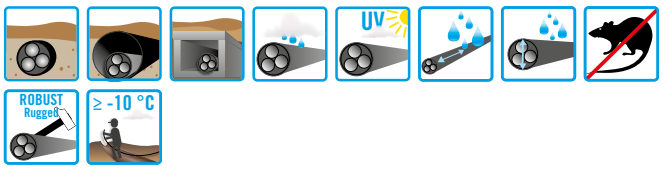



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x1,8 (H145)


100% RoHS 100% REACH CE DB

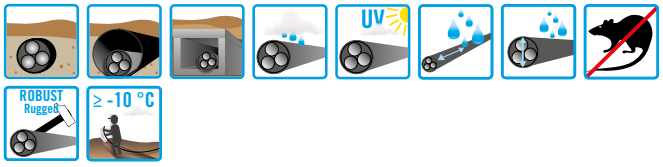



Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YOF(L)2YB2Y ...x1x2,25 (H95)


100% RoHS 100% REACH CE DB




Railway signal cables to control and monitor points far from the signal box

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x0,9 (H115)

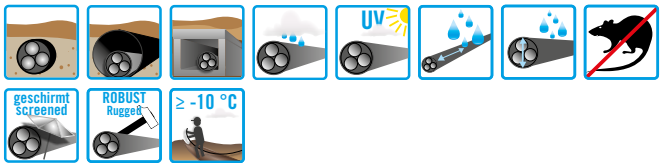

100% RoHS 100% REACH CE DB


Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,4 (H95)


100% RoHS 100% REACH CE DB




Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,4 (H145)


100% RoHS 100% REACH CE DB


Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,8 (H95)


100% RoHS 100% REACH CE DB


Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x1,8 (H145)

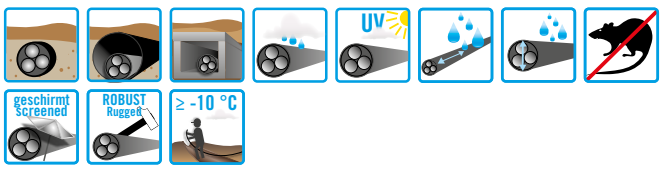

100% RoHS 100% REACH CE DB


Railway signal cables, in interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2YOF(L)2YDB2Y ...x1x2,25 (H95)


100% RoHS 100% REACH CE DB




Railway signal cables to control and monitor points far from the signal box

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores natural-coloured
- Cores stranded in cores
- Cable core filled with special filler, low capacity, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2Y(L)2YV ...x4x0,9 S


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Reinforced laminated sheath: PE, black

100% RoHS 100% REACH CE DB


## BayRail® A-2Y(L)2YV ...x4x1,4 S


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Reinforced laminated sheath: PE, black

100% RoHS 100% REACH CE DB

## BayRail® A-2Y(L)2YB2Y ...x4x0,9 (H45)


100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2Y(L)2YB2Y ...x4x1,4 (H45)

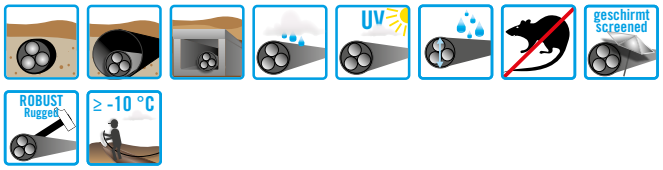

100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2Y(L)2YDB2Y ...x4x0,9 (H45)


100% RoHS 100% REACH CE DB




Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2Y(L)2YDB2Y ...x4x1,4 (H45)


100% RoHS 100% REACH CE DB


Railway signal cables for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2Y(L)2YV


Railway signal cables for laying at the rail foot, for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, finely stranded
- Insulation: PE
- Reinforced composite layer sheath, Al-tape and PE, black

100% RoHS 100% REACH CE DB


## BayRail® A-2Y(L)2YB2Y


Railway signal cables for laying at the rail foot, for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

- Copper conductor, finely stranded
- Insulation: PE
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

100% RoHS 100% REACH CE DB


## BayRail® A-2Y(L)2Y(SR)2Y


Railway signal cables for laying at the rail foot, for interlocking and monitoring systems etc., unless the use of special cables for signalling technology (e.g. PZB / Indusi (inductive train protection) cables) is prescribed

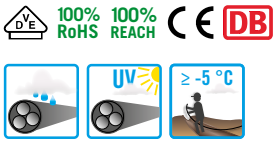
- Copper conductor, finely stranded
- Insulation: PE
- Composite layer sheath, Al-tape and PE, black
- Corrugated steel tape armouring
- Outer protective covering, PE, black

100% RoHS 100% REACH CE DB

## BayRail® A-2Y(ZG)2Y

**Line conductor cable for the LZB system (line-train control). The standard version A-2Y(ZG)2Y is for laying on open track.**

- Copper conductor, stranded
- Insulation: PE
- Wrapping, plastic foil
- Non-metallic strain-relief elements
- Outer sheath, PE, black



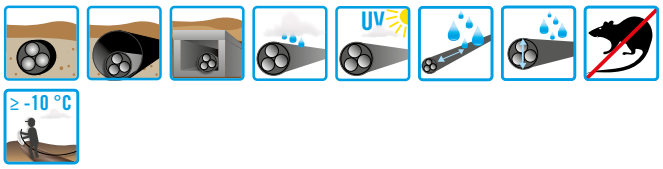

## BayRail® A-H(ZG)H

**Line conductor cable for the LZB system (line-train control). The flame-retardant FRNC version A-H(ZG)H is for laying in tunnels.**

- Copper conductor, stranded
- Insulation: PE
- Wrapping, plastic foil
- Non-metallic strain-relief elements
- Outer sheath, halogen-free, flame retardant, black

## BayRail® A-2Y(L)2YB2Y 1x4x1,4


100% RoHS 100% REACH CE DB

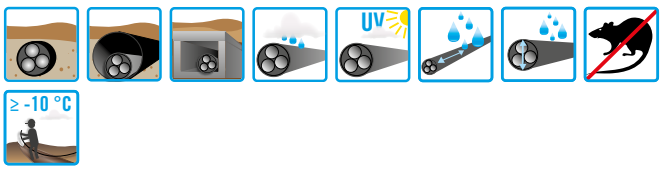



**Balise cables for fixed installation in earth or trough channels or on cable holders in shafts and on tunnel walls**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2Y(L)2YB2Y 1x4x1,53

100% RoHS 100% REACH CE DB

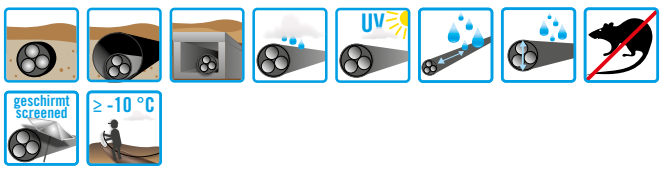



**Balise cables for fixed installation in earth or trough channels or on cable holders in shafts and on tunnel walls**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® AJ-2Y(L)2YDB2Y 1x4x1,53

100% RoHS 100% REACH CE DB




**Balise cables for fixed installation in earth or trough channels or on cable holders in shafts and on tunnel walls**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-2YTF2Y(L)2Y


100% RoHS 100% REACH CE DB


PZB / Indusi (inductive train protection) connection cables according to TL 416.0121 are used for the direct connection of the track and switching magnets or the relays and switch boxes of the punctual train control (PZB trackside equipment).

- Copper conductor, finely stranded
- Insulation: PE
- Cable core filled dryly, longitudinally watertight
- Inner sheath, PE, black
- Composite layer sheath, Al-tape and PE, black

## BayRail® A-2YTF(L)2YV

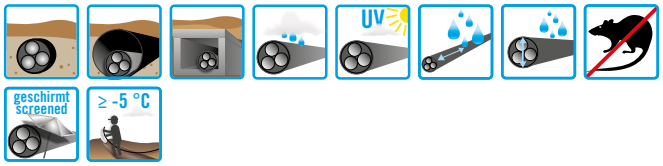

100% RoHS 100% REACH CE DB


**Control cables for intermittent automatic train control acc. to Dlk 1.013.168y are used to control the track and switching magnets of the PZB / Indusi (inductive train protection)**

- Copper conductor, finely stranded
- Insulation: PE
- Cable core filled dryly, longitudinally watertight
- Composite layer sheath, Al-tape and PE, black, reinforced

## BayRail® A-02YSTF(L)2YB2Y


100% RoHS 100% REACH CE DB

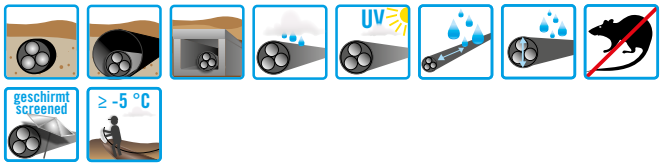



**PZB / Indusi (inductive train protection) control cables according to TL 416.0119 are used for controlling the track and switching magnets of the PZB.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cable core filled dryly, longitudinally watertight
- Composite layer sheath, Al-tape (static screen) and PE, black
- Steel tape armouring
- Outer protective covering, PE, black

## BayRail® A-02YSTF(L)2Y(SR)2Y


100% RoHS 100% REACH CE DB




**PZB / Indusi (inductive train protection) control cables according to TL 416.0119 are used for controlling the track and switching magnets of the PZB.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cable core filled dryly, longitudinally watertight
- Composite layer sheath, Al-tape (static screen) and PE, black
- Armouring, corrugated steel tape
- Outer protective covering, PE, black

# Telecommunication



## BayCom® CPR S-YY

100% RoHS 100% REACH CE


Switching cables for the transmission of messages and data for control systems, e.g. in interlocking systems of railways for the connection of external cables with components of the interlocking system and as connection between racks and terminal boards

- Copper conductor, solid
- Insulation: PVC
- Cores stranded in cores
- Cable core wrapping
- Outer sheath, PVC, grey

## BayCom® A-02YSF(L)2Y ...x2x0,8 StIII Bd

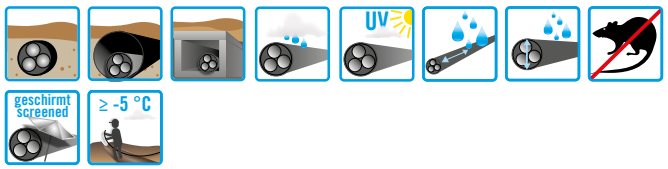
100% RoHS 100% REACH CE DB


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Core identification: ring marking
- Cores stranded to star quads, star quads stranded in bundles to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® AJ-02YSF(L)2YDB2Y ...x2x0,8 StIII Bd

100% RoHS 100% REACH CE DB




**Anti-inductiv connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Core identification: ring marking
- Cores stranded to star quads, star quads stranded in bundles to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Copper screen
- Wrapping, separating foil, plastic
- Steel tape armouring
- Outer protective covering, PE, black

## BayCom® A-02YSF(L)2Y ...x2x0,6 StIII

100% RoHS 100% REACH CE DB


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® A-02YSF(L)2Y ...x2x0,8 StIII

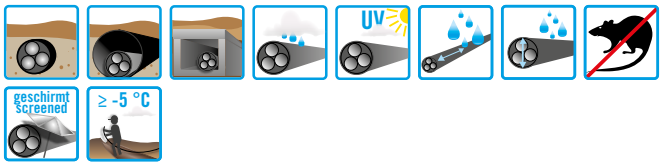
100% RoHS 100% REACH CE DB


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® AJ-02YSF(L)2YDB2Y ...x2x0,8 StIII

100% RoHS 100% REACH CE DB




**Induction protected connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE-foam with outer polyolefin layer
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Screen, copper wires
- Steel tape armouring
- Outer protective covering, PE, black

## BayCom® A-2YF(L)2Y ...x2x0,6 StIII

100% RoHS 100% REACH CE


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and data transmission.**

- Copper conductor, solid
- Insulation: PE
- Telecommunication pairs stranded to star quads, star quads stranded arround differential protection triples to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® A-2YF(L)2Y ...x2x0,8 StIII

100% RoHS 100% REACH CE


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and signal transmission.**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® A-2Y(L)2Y ...x2x0,6 StIII

100% RoHS 100% REACH CE


**Connection and interconnection cables in local networks and in private branch exchanges, for telecommunications and signal transmission.**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

## BayCom® AD-2YF(L)2Y ... StIII

100% RoHS 100% REACH CE


**Differential protection cables for connecting the network protective devices, e.g. differential protection devices in power installations, as connecting cables in local networks and in private branch exchanges, for telcommunication and for signal transmission.**

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded arround differential protection triples to form the cable core
- Cable core filled, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black

Accessories fiber optics, Page 143

To the product:

# FIBER-OPTIC CABLE REPAIR KIT / DAMAGE SLEEVE

Fast, durable and safe repair

RELIABILITY AND STABILITY IN THE NETWORK

## NO TIME FOR STANDSTILL

All parts enclosed

fast installation

reduced downtimes

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

# BayCom® FO outdoor cable version pipe and trough cable, acc. to DB TL 416.0505 V2.0 (replaces Dlk 1.011.003y)

## BayCom® A-DQ(ZN)2Y

100% RoHS 100% REACH CE DB


**Non-armoured dry-filled FO outdoor cable of Deutsche Bahn for general cabling in the track area for laying in pipe and cable ducts. These fibre optic cables are approved for use in the DB AG network.**

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- Non-metallic strain-relief elements
- Outer sheath, PE, black

## BayCom® A-DQ(ZN)2Y(SR)2Y

100% RoHS 100% REACH CE DB


**Armoured dry-filled fibre optic outdoor cable of Deutsche Bahn for general cabling in the track area for laying in pipe and cable ducts.**

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- Non-metallic strain-relief elements
- Inner sheath, PE, black
- Armouring, corrugated steel tape
- Outer protective covering, PE, black

## BayCom® A-D2Y(ZN)2Y

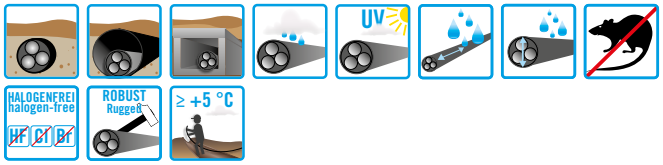
**Fibre optic aerial cable for laying on overhead cable masts, timber and other masts of DB AG**

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 12 fibers each
- Cable core wrapping
- Inner sheath, PE, black
- Non-metallic strain-relief elements
- Outer sheath, PE, black

100% RoHS 100% REACH CE DB

## BayCom® RailOptic® SFK FO rail foot cables

100% RoHS 100% REACH DB




RailOptic® SFK FO rail foot cables are intended for use in telecommunications systems. They can preferably be laid directly at the rail foot or other areas subject to vibration and shock, but are also suitable for laying in ground, pipes and cable ducts.

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 12 fibers each
- Cable core filled dryly, longitudinally watertight
- Cable core wrapping
- Composite layer sheath, Al-tape and PE, black
- Non-metallic strain-relief elements
- Steel wire armouring
- Outer protective covering, PE, black

## BayCom® CPR I-D(ZN)H Arcor TNP07 (E9/125)

100% RoHS 100% REACH CE DB

INHOUSE | HALOGENFREI halogen-free HF CI Br | ≥ -5 °C

FO indoor cables for laying in buildings as a continuation of outdoor cables up to the cable termination device, as well as from cable termination device to distributors in special cases and for in-house networks

- Central non-metallic support element
- Optical fibers (E9/125)
- Filled loose tubes with 2 to 24 fibers each
- Non-metallic strain-relief elements
- Outer sheath, halogen-free, flame retardant, grey

## BayCom® CPR I-D(ZN)H Arcor TNP07 (G50/125)

100% RoHS 100% REACH CE DB

INHOUSE | HALOGENFREI halogen-free HF CI Br | ≥ -5 °C

FO indoor cables for laying in buildings as a continuation of outdoor cables up to the cable termination device, as well as from cable termination device to distributors in special cases and for in-house networks (multimode with gradient fibres)

- Central non-metallic support element
- Optical fibers (G50/125)
- Filled loose tubes with 2 to 24 fibers each
- Non-metallic strain-relief elements
- Outer sheath, halogen-free, flame retardant, grey

Accessories energy technology, Page 145

To the products:

# CONNECTION COMPONENTS

easy, fast,
and safe installation

LOW AND MEDIUM VOLTAGE

## RELIABLE IN EVERY APPLICATION

Connection technology (lugs)

Connection technology (connectors)

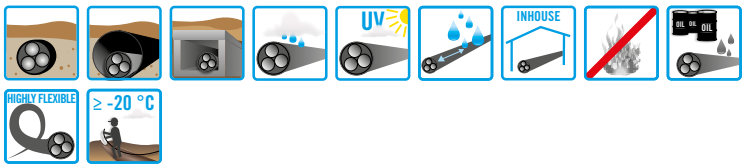
Shrinking technology

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayMotion® CPR TramSafe GC AL


100% RoHS 100% REACH CE




Finely-stranded and anti-theft aluminium grounding cable for short-circuit current resistant grounding connection and for potential equalisation between rails and conductive, but not live parts (e.g. overhead line masts, supports of the train preheating system, sound insulation walls, railings)

- ALMGST-conductor, finely stranded with steel cord
- Insulation: PVC
- Wrapping, foil with colour code
- Outer sheath, PVC, black with blue
- cable designation stripes®

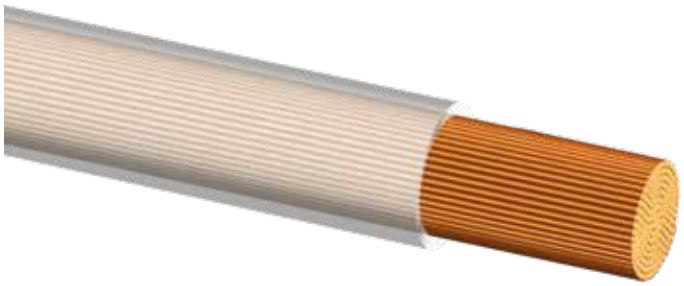
## BayMotion® TramSafe GC 70

100% RoHS 100% REACH CE


Anti-theft flexible railway grounding cable for short-circuit current-proof grounding and for potential equalisation between rails and conductive but not live parts (e.g. overhead line masts, supports of the train preheating system, sound insulation walls, railings)

- CuStAl conductor, finely stranded
- Outer sheath, HEPR, black with blue cable designation stripes®

## BayMotion® CPR HOOV-D



100% RoHS 100% REACH CE


BayMotion® CPR HOOV-D (also known as ESY) are insulated conductors for mobile earthing and short-circuiting devices (EaS) according to EN 61230 (VDE 0683-100)

- Copper conductor, finely stranded
- PVC insulation, transparent

## BayEnergy® MetroSave® TPU B 0,6/1 kV


100% RoHS 100% REACH CE


**Anti-theft traction current return for permanent installation in DC systems for voltages up to 0.6/1 kV in dry and humid surroundings, but not in tunnels**

- Copper conductor, stranded, with galvanized stranded steel wire
- Insulation: special elastomer, crosslinked
- Steel wire armouring with counter helix and monitoring cores
- Outer sheath, halogen-free, flame retardant, black with blue cable designation stripes®

## BayEnergy® MetroSave FRNC B 0,6/1 kV

100% RoHS 100% REACH CE


**Anti-theft, halogen-free and flame-retardant traction current return for permanent installation in DC systems for voltages up to 0.6/1 kV in dry and humid rooms with small bending radius and high demands on flexibility**

- CuStAl conductor, finely stranded
- Insulation: special elastomer, crosslinked
- Outer sheath, halogen-free, flame retardant, black with blue cable designation stripes®

## BayMotion® CPR Tram 1,8/3 kV


**Extremely flexible and shielded power cable, especially for power supply in public transport systems with a supply voltage of 1,8/3 kV**

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Wrapping, swellable tape (screen longitudinally watertight)
- Copper screen with counter helix
- Wrapping
- Outer sheath, special elastomer, crosslinked

100% RoHS 100% REACH CE

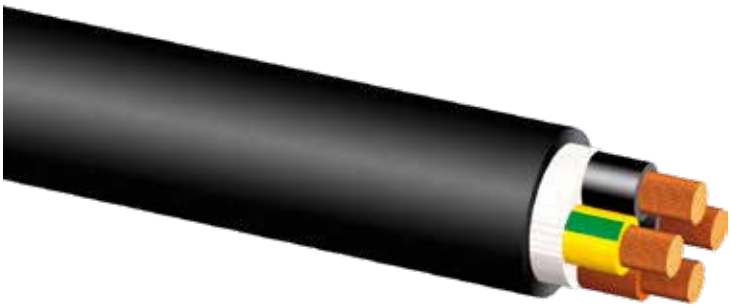
## BayMotion® CPR Flex Power +1x... 0,6/1kV

Highly flexible, halogen-free, flame-retardant, UV and weather-resistant, groundable connection cable with a very temperature-resistant conductor insulation made of a special HP elastomer compound for use in plant and mechanical engineering

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, special elastomer, crosslinked

100% RoHS 100% REACH CE


## BayMotion® CPR Flex Power + 3-5x... 0,6/1 kV



Highly flexible, halogen-free, flame-retardant, UV and weather-resistant, groundable connection cable with a very temperature-resistant conductor insulation made of a special HP elastomer compound for use in plant and mechanical engineering

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, special elastomer, crosslinked

100% RoHS 100% REACH CE


## BayMotion® CPR Flex Power + TN-C 4x1x... 0,6/1 kV


Highly flexible, halogen-free, flame-retardant, UV and weather-resistant, groundable connection cable with a very temperature-resistant conductor insulation made of a special HP elastomer compound for use in plant and mechanical engineering

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, special elastomer, crosslinked

100% RoHS 100% REACH CE

## BayMotion® CPR Flex Power + 1x... 1,8/3 kV


Highly flexible, halogen-free, flame-retardant, UV and weather-resistant, groundable connection cable with a very temperature-resistant conductor insulation made of a special HP elastomer compound for use in plant and mechanical engineering

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, special elastomer, crosslinked

100% RoHS 100% REACH CE


BayEnergy®

## BayEnergy® N2XS2Y 0,6/1 kV


100% RoHS 100% REACH CE DB


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0,6/1 kV.

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® N2XS(F)2Y 0,6/1 kV


100% RoHS 100% REACH CE DB


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® NA2XS2Y 0,6/1 kV


100% RoHS 100% REACH CE DB


Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0,6/1 kV

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® NA2XS(F)2Y 0,6/1 kV

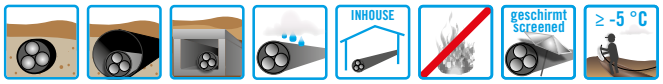

100% RoHS 100% REACH CE


**Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0,6/1 kV.**

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, swellable tape (screen longitudinally watertight)
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® NYSY 0,6/1 kV

VDE 100% RoHS 100% REACH CE DB

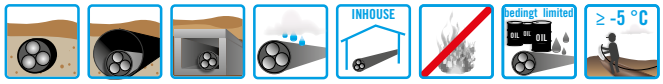



**Cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV**

- Copper conductor, stranded
- Insulation: PVC
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-O 1-2x... 0,6/1 kV


VDE 100% RoHS 100% REACH CE

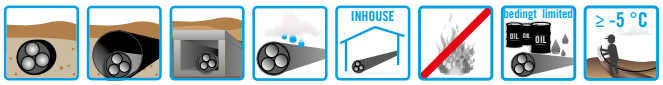



**Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)**

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-O 3x... 0,6/1kV

100% RoHS 100% REACH CE

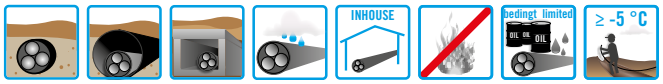



**Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)**

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-O 3½x... 0,6/1kV

100% RoHS 100% REACH CE

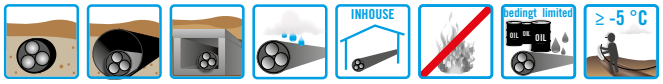



**Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)**

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-O 4-5x... 0,6/1kV


100% RoHS 100% REACH CE

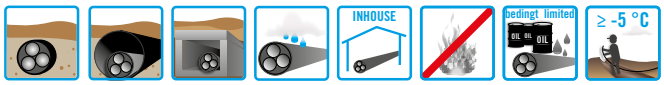



**Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)**

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-O > 5x... 0,6/1kV

100% RoHS 100% REACH CE




Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-J 1-2x... 0,6/1 kV

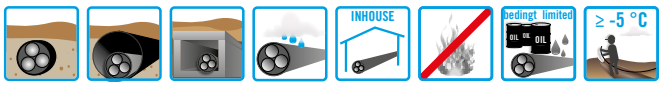
100% RoHS 100% REACH CE


Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-J 3x... 0,6/1kV

100% RoHS 100% REACH CE

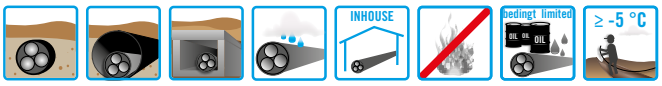



Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-J 3½x... 0,6/1 kV

100% RoHS 100% REACH CE

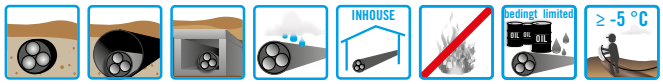



Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-J 4-5x... 0,6/1kV


100% RoHS 100% REACH CE

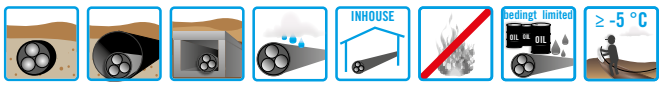



Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® CPR NYY-J > 5x... 0,6/1kV

100% RoHS 100% REACH CE




Power cables for power stations, industrial and switchgear plants as well as local networks, if no increased mechanical protection is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: PVC
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PVC, black

## BayEnergy® N2X2Y-J 1x... 0,6/1 kV

Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Outer sheath, PE, black

100% RoHS 100% REACH CE


## BayEnergy® N2X2Y-J 3x... 0,6/1 kV

Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

100% RoHS 100% REACH CE


## BayEnergy® N2X2Y-J 3 ½x... 0,6/1 kV

Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

100% RoHS 100% REACH CE

## BayEnergy® N2X2Y-J 4-5x... 0,6/1 kV

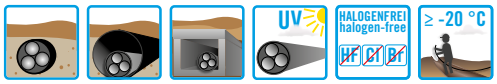

100% RoHS 100% REACH CE


Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

## BayEnergy® N2X2Y-O 1x... 0,6/1 kV

100% RoHS 100% REACH CE

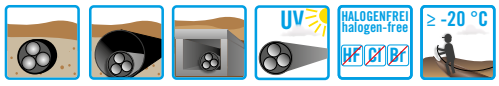



Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

## BayEnergy® N2X2Y-O 3x... 0,6/1 kV

100% RoHS 100% REACH CE




Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

## BayEnergy® N2X2Y-O 3½x... 0,6/1 kV

100% RoHS 100% REACH CE

UV HALOGENFREI halogen-free HF CI Br ≥ -20 °C

Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

## BayEnergy® N2X2Y-O 4-5x... 0,6/1 kV


100% RoHS 100% REACH CE

UV HALOGENFREI halogen-free HF CI Br ≥ -20 °C

Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

## BayEnergy® N2X2Y-O > 5x... 0,6/1 kV


100% RoHS 100% REACH CE

UV HALOGENFREI halogen-free HF CI Br ≥ -20 °C

Power cables for higher conductor temperatures with resistant HDPE outer sheath for power distribution in power stations, industrial and switchgear plants, as well as local networks, if protection against contact voltage in case of mechanical damage is required (see DIN VDE 0298-1)

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core identification acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Outer sheath, PE, black

## BayEnergy® (N)2XS2Y 1,8/3 kV

100% RoHS 100% REACH DB


**Halogen-free cable for special applications, e.g. as a single-core railway supply cable for AC railways and for traction current return for voltages up to 1.8/3 kV**

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® (N)A2XS2Y 1,8/3 kV

100% RoHS 100% REACH DB


**Halogen-free cable for special applications, e.g. as a single-core railway supply cable for AC railways and for traction current return for voltages up to 1.8/3 kV**

- Aluminium conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil resp. swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, PE, black

## BayEnergy® N2XS(F)2Y 6/10 kV


100% RoHS 100% REACH


**UV-resistant medium-voltage cable with longitudinally water-tight screen area for outdoor and underground installation in power stations, industrial and switchgear plants as well as local networks.**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Swellable tape
- Copper screen with counter helix
- Swellable tape
- Outer sheath, PE, black

## BayEnergy® N2XS2Y 6/10kV


100% RoHS 100% REACH


**UV-resistant medium-voltage cable for outdoor and underground installation in power stations, industrial and switchgear plants as well as local networks.**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Conductive tape
- Copper screen with counter helix
- Wrapping, separating foil, plastic
- Outer sheath, PE, black

## BayEnergy® N2XS(F)2Y 12/20 kV

100% RoHS 100% REACH

UV HALOGENFREI halogen-free HF CI Br geschirmt screened ≥ -20 °C

**UV-resistant medium-voltage cable with longitudinally water-tight screen area for outdoor and underground installation in power stations, industrial and switchgear plants as well as local networks.**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Swellable tape
- Copper screen with counter helix
- Swellable tape
- Outer sheath, PE, black

## BayEnergy® N2XS2Y 12/20 kV

100% RoHS 100% REACH

UV HALOGENFREI halogen-free HF CI Br geschirmt screened ≥ -20 °C

**UV-resistant medium-voltage cable for outdoor and underground installation in power stations, industrial and switchgear plants as well as local networks.**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Conductive tape
- Copper screen with counter helix
- Wrapping, separating foil, plastic
- Outer sheath, PE, black

## BayEnergy® N2XS(F)2Y 18/30 kV

100% RoHS 100% REACH

UV HALOGENFREI halogen-free HF Cl Br geschirmt screened ≥ -20 °C

**UV-resistant medium-voltage cable with longitudinally water-tight screen area for outdoor and underground installation in power stations, industrial and switchgear plants as well as local networks.**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Swellable tape
- Copper screen with counter helix
- Swellable tape
- Outer sheath, PE, black

## BayEnergy® N2XS2Y 18/30kV

100% RoHS 100% REACH

UV HALOGENFREI halogen-free HF Cl Br geschirmt screened ≥ -20 °C

**UV-resistant medium-voltage cable for outdoor and underground installation in power stations, industrial and switchgear plants as well as local networks.**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Conductive tape
- Copper screen with counter helix
- Wrapping, separating foil, plastic
- Outer sheath, PE, black

## BayEnergy® Al-rope for overhead lines type AL1

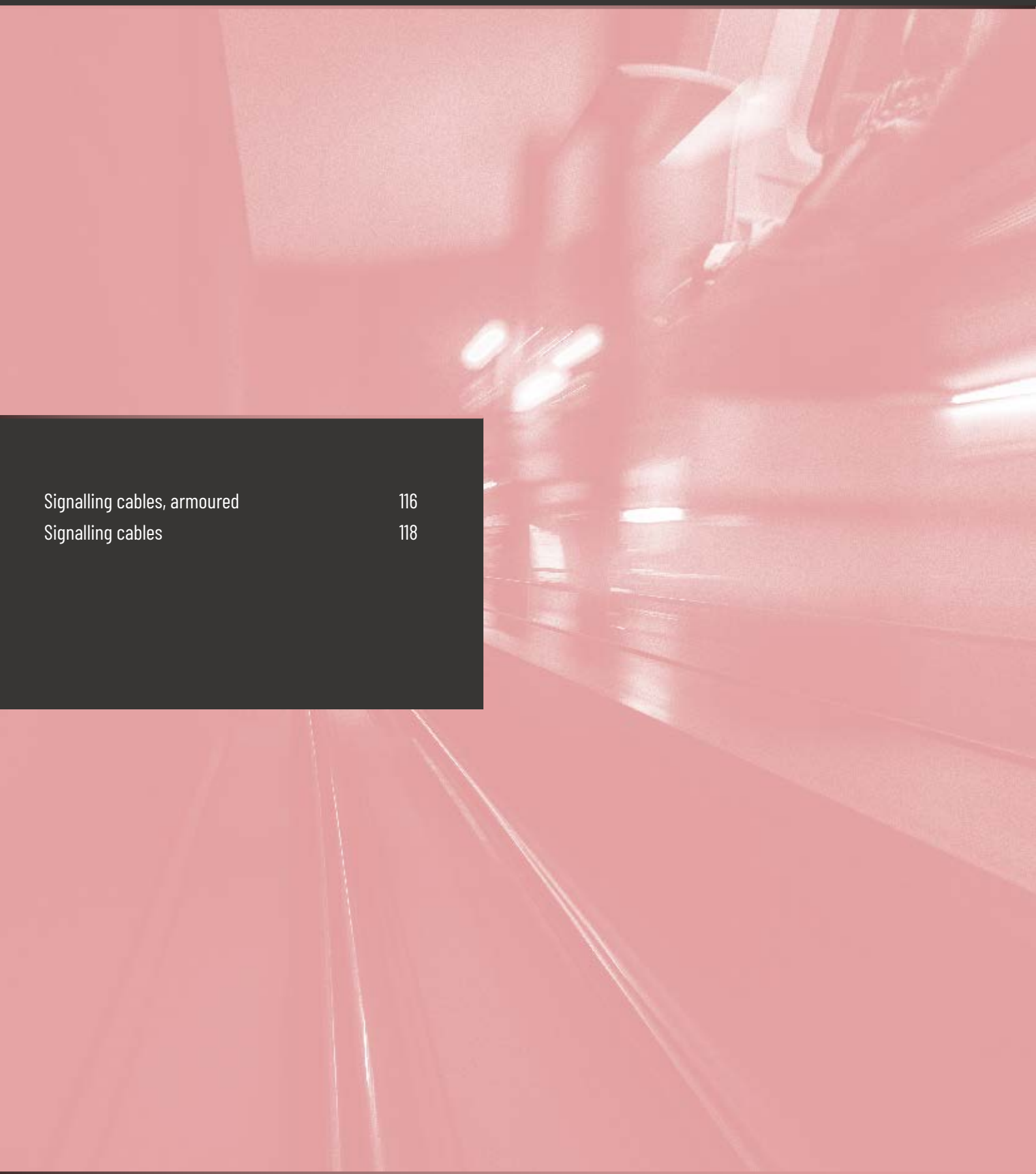
100% RoHS 100% REACH CE

Aluminium rope acc. to EN 50182 type AL1 for overhead lines, e.g. various applications in railway overhead contact lines

- Aluminium conductor, stranded

# PUBLIC TRANSPORT

## Metro – highly flame retardant cables e.g. for tunnels



Accessories Signalling/telecommunications copper, Page 138

To the product:

# SHRINK CONNECTION SLEEVE SVSM

durable and safe connected

RELIABILITY AND STABILITY IN THE NETWORK

## NO TIME FOR STANDSTILL

DB-approved

easy installation

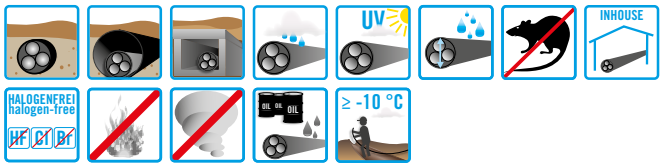
economical and sustainable

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayRail® nonfire Metro sta ...x1x0,9


100% RoHS 100% REACH CE

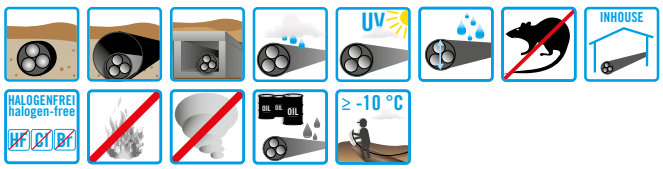



**Armoured, highly flame-retardant, installation-optimised and cross-water-tight signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores grey
- Cores stranded in cores
- Cable core wrapping
- Inner sheath, halogen-free, flame retardant, black
- Diffusion barrier
- Steel tape armouring
- Outer sheath, halogen-free, flame retardant, blue

## BayRail® nonfire Metro sta ...x1x1,4


100% RoHS 100% REACH CE

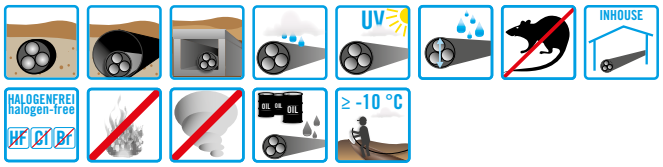



**Armoured, highly flame-retardant, installation-optimised and cross-water-tight signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores grey
- Cores stranded in cores
- Cable core wrapping
- Inner sheath, halogen-free, flame retardant, black
- Diffusion barrier
- Steel tape armouring
- Outer sheath, halogen-free, flame retardant, blue

## BayRail® nonfire Metro sta ...x4x0,9

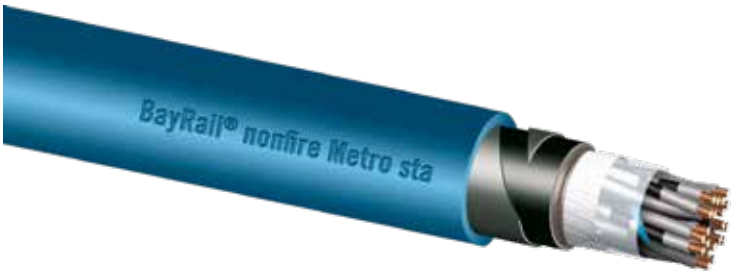

100% RoHS 100% REACH CE



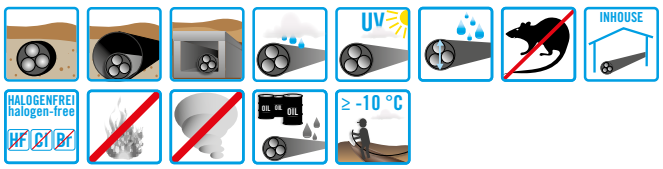

**Armoured, highly flame-retardant, installation-optimised and cross-water-tight signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Inner sheath, halogen-free, flame retardant, black
- Diffusion barrier
- Steel tape armouring
- Outer sheath, halogen-free, flame retardant, blue

## BayRail® nonfire Metro sta ...x4x1,4



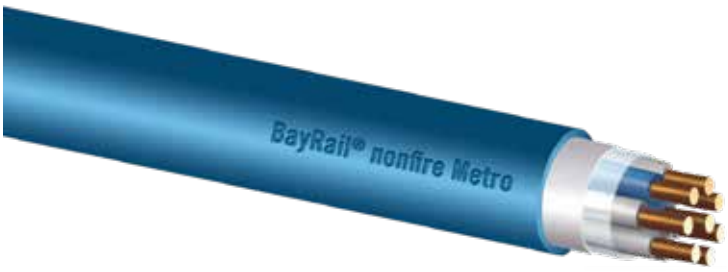

100% RoHS 100% REACH CE



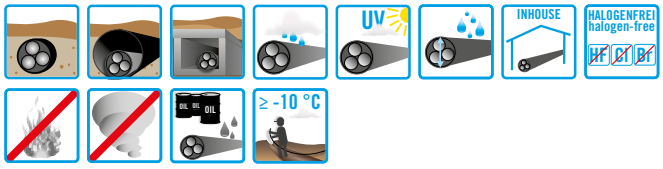

**Armoured, highly flame-retardant, installation-optimised and cross-water-tight signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Inner sheath, halogen-free, flame retardant, black
- Diffusion barrier
- Steel tape armouring
- Outer sheath, halogen-free, flame retardant, blue

## BayRail® nonfire Metro ...x1x0,9



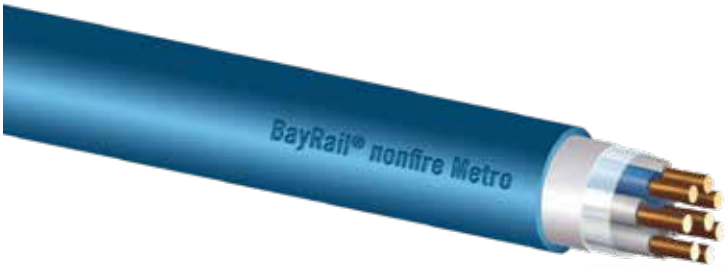

100% RoHS 100% REACH CE



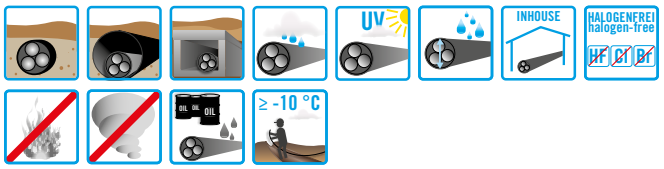

**Highly flame-retardant, installation-optimised and cross-waterproof signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores grey
- Cores stranded in cores
- Cable core wrapping
- Diffusion barrier
- Outer sheath, halogen-free, flame-retardant, blue

## BayRail® nonfire Metro ...x1x1,4




100% RoHS 100% REACH CE

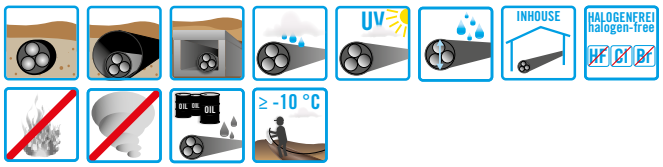



**Highly flame-retardant, installation-optimised and cross-waterproof signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting core blue, other cores grey
- Cores stranded in cores
- Cable core wrapping
- Diffusion barrier
- Outer sheath, halogen-free, flame-retardant, blue

## BayRail® nonfire Metro ...x4x0,9

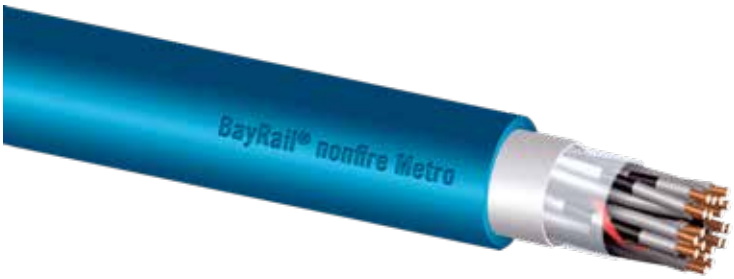

100% RoHS 100% REACH CE



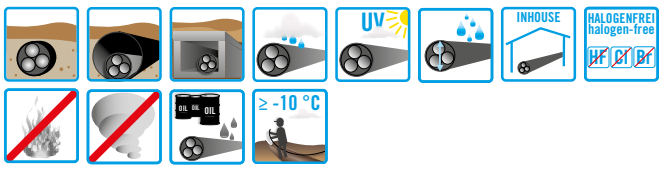

**Highly flame-retardant, installation-optimised and cross-waterproof signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Diffusion barrier
- Outer sheath, halogen-free, flame-retardant, blue

## BayRail® nonfire Metro ...x4x1,4




100% RoHS 100% REACH CE




**Highly flame-retardant, installation-optimised and cross-waterproof signal cables specially developed for public transport, especially for interlocking and monitoring systems**

- Copper conductor, solid
- Insulation: PE
- Counting quad with blue helix tape
- Cores stranded to quads
- Cable core wrapping
- Diffusion barrier
- Outer sheath, halogen-free, flame-retardant, blue

# Telecommunication

Accessories fiber optics, Page 138

To the product:

# FIBER-OPTIC CABLE REPAIR KIT / DAMAGE SLEEVE

Fast, durable and safe repair

RELIABILITY AND STABILITY IN THE NETWORK

## NO TIME FOR STANDSTILL

All parts enclosed

fast installation

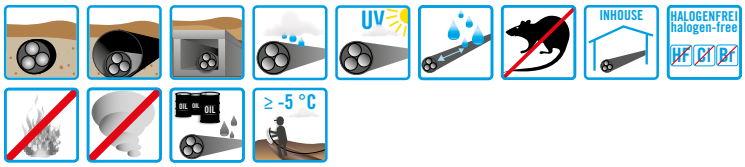
reduced downtimes

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayCom® nonfire OFC TUSI®

100% RoHS 100% REACH CE

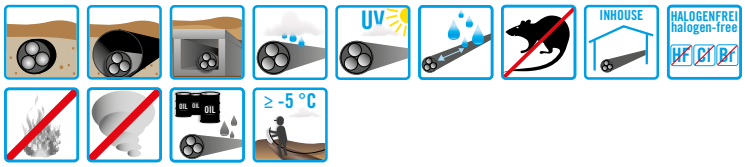



**Halogen-free and flame-retardant optical fibres with metallic armouring for telecommunication and data transmission for use in areas with high fire protection requirements**

- Optical fibers (E9/125, G50/125 or G62,5/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- Non-metallic strain-relief elements
- Composite layer sheath, Al-tape and compound, halogen-free, flame retardant
- steel wire armouring
- Outer protective covering, halogen-free, flame retardant, grey

## BayCom® nonfire Metro OFC csta

100% RoHS 100% REACH CE

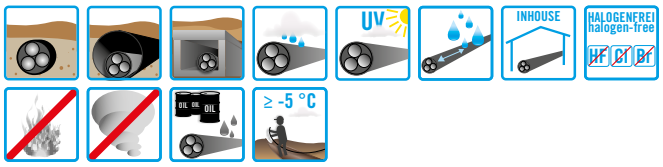



**Halogen-free, highly flame-retardant and armoured optical fibre cable for telecommunication and data transmission for use in areas with high fire protection requirements**

- Optical fibers (E9/125, G50/125 or G62,5/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- Glass rovings as strain-relief
- Inner sheath, halogen-free, flame retardant, black
- Corrugated steel tape armouring
- Outer sheath, halogen-free, flame retardant, grey

## BayCom® nonfire Metro OFC

100% RoHS 100% REACH CE

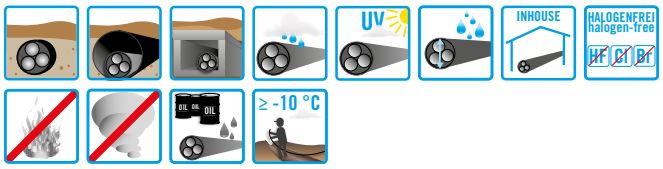



**Metal-free, halogen-free and highly flame-retardant optical fibres for telecommunication and data transmission for use in areas with high fire protection requirements**

- Optical fibers (E9/125, G50/125 or G62,5/125)
- Filled loose tubes with 2 to 24 fibers each
- Cable core filled dryly, longitudinally watertight
- reinforced glass rovings as strain-relief and rodent protection
- Outer sheath, halogen-free, flame retardant, grey

## BayCom® nonfire Metro StIII (H55)

100% RoHS 100% REACH CE

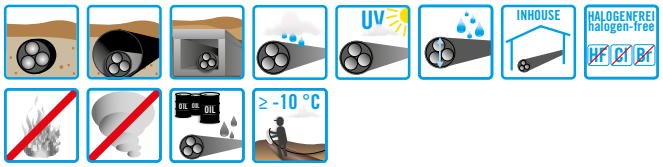



Highly flame-retardant and transversely waterproof telecommunication cables specially developed for public transport, especially as connecting cables in local networks and in private branch exchanges, for telecommunication and data transmission

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core wrapping
- Composite layer sheath, Al-tape and compound, halogen-free, flame retardant, black

## BayCom® nonfire Metro StIII (H42)

100% RoHS 100% REACH CE




Highly flame-retardant and transversely waterproof telecommunication cables specially developed for public transport, especially as connecting cables in local networks and in private branch exchanges, for telecommunication and data transmission

- Copper conductor, solid
- Insulation: PE
- Cores stranded to star quads, star quads stranded to form the cable core
- Cable core wrapping
- Composite layer sheath, Al-tape and compound, halogen-free, flame retardant, black

## BayMotion® nonfire MetroSafe GC 70


**Highly flame-retardant and flexible grounding cable for short-circuit current-resistant ground connection and for potential equalisation between railings and other conductive but not live parts in areas with high fire protection requirements**

- CuStAl conductor, finely stranded
- Outer sheath, halogen-free, flame retardant, black with blue cable designation stripes®

100% RoHS 100% REACH CE


## BayEnergy® nonfire MetroSafe GC Al 100

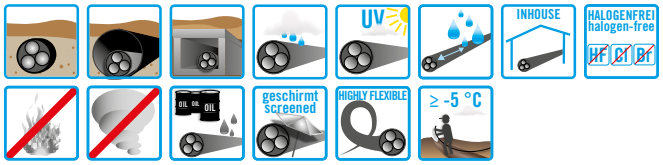

**Highly flame-retardant, anti-theft aluminium grounding cable for public transport**

- ALMG-conductor, stranded, with barbed wire
- Outer sheath, halogen-free, flame retardant, black with blue cable designation stripes®

100% RoHS 100% REACH CE

## BayMotion® nonfire Metro 1000 V DC

100% RoHS 100% REACH CE




**Highly flame-retardant, extremely flexible and shielded power cable, especially for power supply in public transport railways at a supply voltage of 1000 V DC**

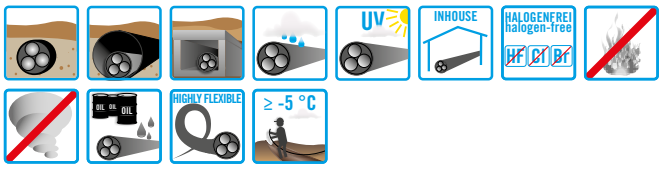
- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Wrapping, swellable tape (screen longitudinally watertight)
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayMotion® nonfire Power Soil 1x... 0,6/1 kV


Highly flame-retardant, flexible power, connection and interconnecting cable for use in plant and mechanical engineering for structures with very high safety requirements, e.g. in tunnels, underground railway stations, hospitals and in escape routes.

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, halogen-free, flame retardant, black

100% RoHS 100% REACH CE

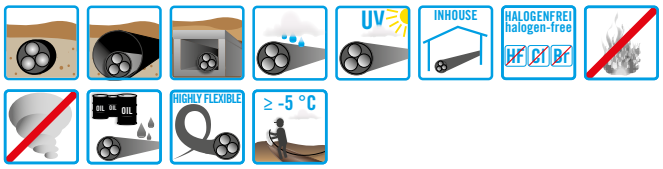



## BayMotion® nonfire Power Soil >1x... 0,6/1 kV


Highly flame-retardant, flexible power, connection and interconnecting cable for use in plant and mechanical engineering for structures with very high safety requirements, e.g. in tunnels, underground railway stations, hospitals and in escape routes.

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Inner covering
- Outer sheath, halogen-free, flame retardant, black

100% RoHS 100% REACH CE

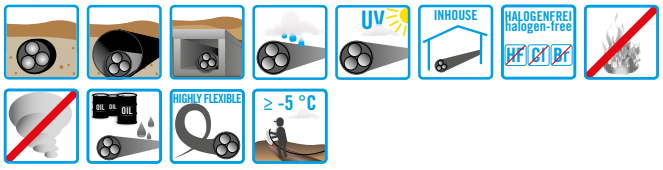



## BayMotion® nonfire Power Soil TN-C 4x1x... 0,6/1 kV


Highly flame-retardant, flexible power, connection and interconnecting cable for use in plant and mechanical engineering for structures with very high safety requirements, e.g. in tunnels, underground railway stations, hospitals and in escape routes.

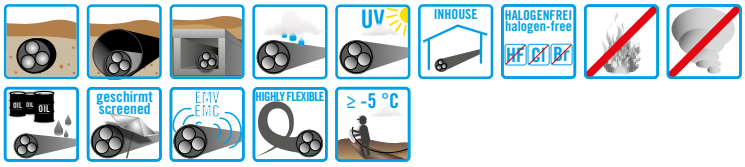
- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, halogen-free, flame retardant, black

100% REACH 100% RoHS CE



## BayMotion® nonfire Soilblack EMC 0,6/1kV


100% RoHS 100% REACH CE

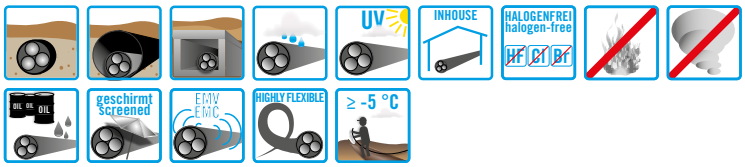



Halogen-free and highly flame-retardant power and control cables for the connection and interconnection of electrical systems, especially for increased requirements on electromagnetic compatibility (EMC)

- Copper conductor, finely stranded, class 5
- Insulation: HP elastomer
- Core identification acc. to HD 308/4
- Cores stranded concentrically
- Filling element (optional)
- Screen, Al-foil and tinned copper braid
- Outer sheath, halogen-free, flame retardant, black

## BayMotion® nonfire Soilblack VFD EMC 3+3 0,6/1 kV

100% RoHS 100% REACH CE

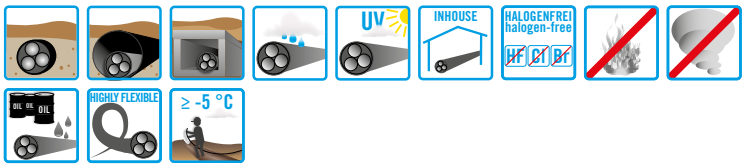



Halogen-free, highly flame-retardant HP elastomer-insulated, low-capacitance and double-screened motor connection cables as power, control, connection and connecting cables for drive systems (e.g. three-phase motors) with frequency converter technology

- Copper conductor, finely stranded, class 5
- Insulation: HP elastomer
- Core identification acc. to HD 308/4
- Protective conductor arranged symmetrically in the interstices of the phase conductor
- Filling element (optional)
- Screen, Al-foil and tinned copper braid
- Outer sheath, halogen-free, flame retardant, black

## BayMotion® nonfire Power Soil 1x... 1,8/3 kV


100% RoHS 100% REACH CE

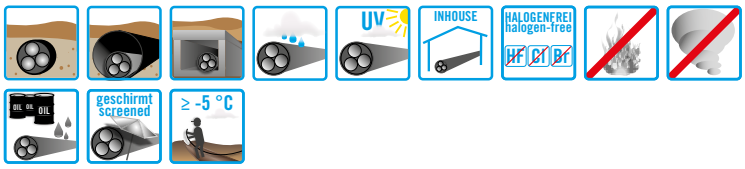



Highly flame-retardant, flexible power, connection and interconnecting cable for use in plant and mechanical engineering for structures with very high safety requirements, e.g. in tunnels, underground railway stations, hospitals and in escape routes.

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XCWH 3x.../... 0,6/1 kV


100% RoHS 100% REACH CE

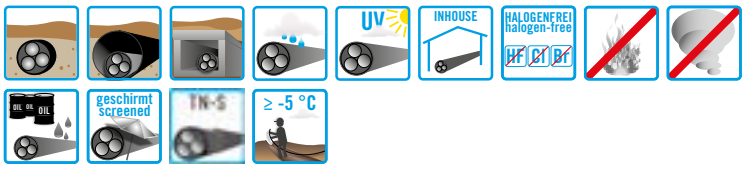



Highly flame-retardant power cable with improved behaviour in case of fire in accordance with the Construction Products Regulation, halogen-free, flame-retardant and low-smoke for use in buildings with very high safety requirements, for power stations, industrial and switchgear installations.

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Concentric conductor, copper, applied in a wave shape with copper holding helix
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XCWH 4x.../... 0,6/1 kV (4½)


100% RoHS 100% REACH CE

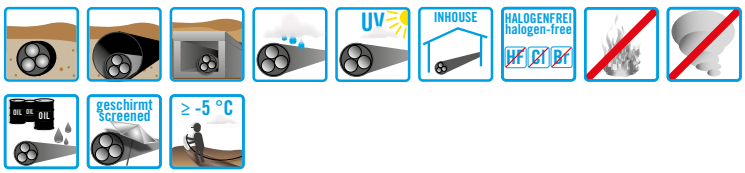



Highly flame-retardant power cable with improved behaviour in case of fire in accordance with the Construction Products Regulation, halogen-free, flame-retardant and low-smoke for use in buildings with very high safety requirements, for power stations, industrial and switchgear installations.

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Concentric conductor, copper, applied in a wave shape with copper holding helix
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XCH 3x.../... 0,6/1kV


100% RoHS 100% REACH CE

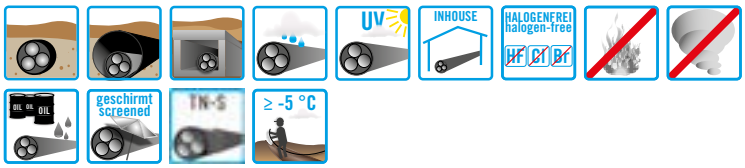



Highly flame-retardant power cable with improved behaviour in case of fire in accordance with the Construction Products Regulation, halogen-free, flame-retardant and low-smoke for use in buildings with very high safety requirements, for power stations, industrial and switchgear installations.

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Concentric conductor, copper with counter-helix
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XCH 4x.../... 0,6/1kV (4½)


100% RoHS 100% REACH CE




Highly flame-retardant power cable with improved behaviour in case of fire in accordance with the Construction Products Regulation, halogen-free, flame-retardant and low-smoke for use in buildings with very high safety requirements, for power stations, industrial and switchgear installations.

- Copper conductor, solid or stranded
- Insulation: XLPE
- Core color code acc. to VDE 0293
- Cores stranded concentrically
- Inner covering
- Concentric conductor, copper with counter-helix
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XSH 0,6/1kV


100% RoHS 100% REACH CE


Halogen-free, highly flame retardant cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XS(F)H 0,6/1 kV


100% RoHS 100% REACH CE


Highly flame retardant cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0.6/1 kV

- Copper conductor, stranded
- Insulation: XLPE
- Screen area filled dryly, longitudinally watertight
- Wrapping
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire N2XH 0,6/1 kV


100% RoHS 100% REACH CE


Highly flame-retardant power cable with improved behaviour in case of fire in accordance with the Construction Products Regulation, halogen-free, flame-retardant and low-smoke for use in buildings with very high safety requirements, for power stations, industrial and switchgear installations.

- Copper conductor, solid or stranded
- Insulation: XLPE
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire (N)A2XH 0,6/1 kV

100% RoHS 100% REACH CE


Highly flame-retardant power cable with improved behaviour in case of fire in accordance with the Construction Products Regulation, halogen-free, flame-retardant and low-smoke for use in buildings with very high safety requirements, for power stations, industrial and switchgear installations.

- Aluminium conductor, stranded
- Insulation: XLPE
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire (N)2XSH 1,8/3kV


100% RoHS 100% REACH CE


Halogen-free, highly flame retardant cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 0,6/1 kV.

- Copper conductor, stranded
- Insulation: XLPE
- Wrapping, plastic foil
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire (N)2XS(F)H 1,8/3 kV

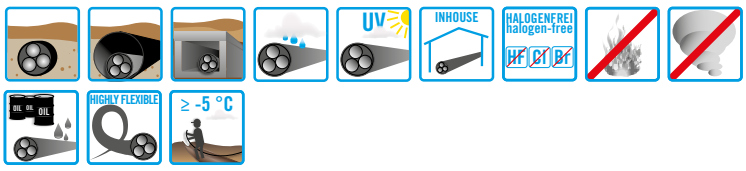

VDE 100% RoHS 100% REACH CE


Highly flame retardant cables for special applications, e.g. as single-core railway supply cables for AC railways and for traction current return for voltages up to 1,8/3 kV.

- Copper conductor, stranded
- Insulation: XLPE
- Screen area filled dryly, longitudinally watertight
- Wrapping, swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayMotion® nonfire Power Soil 1x... 1,8/3 kV


100% RoHS 100% REACH CE




Highly flame retardant, flexible power, connection and interconnecting cable for use in plant and mechanical engineering for structures with very high safety requirements, e.g. in tunnels, underground railway stations, hospitals and in escape routes.

- Copper conductor, finely stranded, class 5
- Insulation: special elastomer, crosslinked
- Outer sheath, halogen-free, flame retardant, black

Accessories energy technology, Page 145

To the products:

# CONNECTION COMPONENTS

easy, fast,
and safe installation

LOW AND MEDIUM VOLTAGE

## RELIABLE IN EVERY APPLICATION

Connection technology (lugs)

Connection technology (connectors)

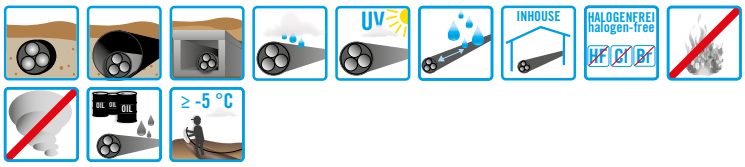
Shrinking technology

Baykaplus

Discover more accessories in our BaykaPlus range.
Just get in touch with us. We will be happy to advise you.

## BayEnergy® nonfire Metro MV 6/10 kV

100% RoHS 100% REACH CE

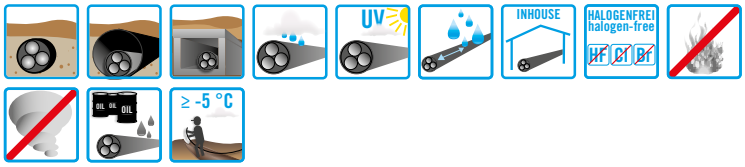



**Halogen-free and highly flame-retardant medium voltage cable for areas with high fire protection requirements**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Wrapping, swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire Metro MV 12/20 kV

100% RoHS 100% REACH CE

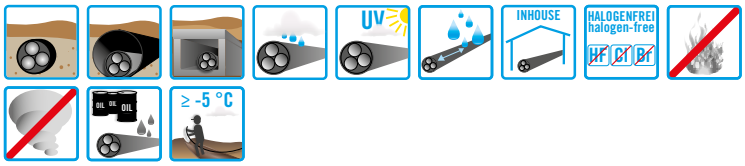



**Halogen-free and highly flame-retardant medium voltage cable for areas with high fire protection requirements**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Wrapping, swellable tape
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire Metro MV 18/30 kV

100% RoHS 100% REACH CE

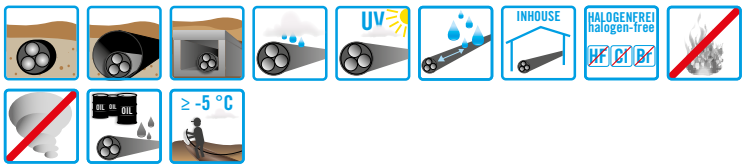



**Halogen-free and highly flame-retardant medium voltage cable for areas with high fire protection requirements**

- Copper conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Wrapping, swellable tape (screen longitudinally watertight)
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## BayEnergy® nonfire Metro MV AL 12/20 kV


100% RoHS 100% REACH CE




**Halogen-free and highly flame-retardant medium voltage cable for areas with high fire protection requirements**

- Aluminium conductor, stranded
- Conductor screen
- Insulation: XLPE
- Insulation screen
- Wrapping, swellable tape (screen longitudinally watertight)
- Copper screen with counter helix
- Wrapping
- Outer sheath, halogen-free, flame retardant, black

## Shrink connection sleeve SVSM

100% RoHS 100% REACH DB

For the production of connecting sleeves in accordance with DBS 918 028-1 for signalling cables in accordance with DB specifications 416.0113 to 0115 and 0118.

- High mechanical strength due to fibre-reinforced shrink sleeve and protective metal insert
- Can be installed on all cable types
- Indicators for correct installation
- Simple and secure installation without additional tools, even if the cables are oval
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- High tensile strength and shrink force without longitudinal shrinkage
- Insensitive to movement and vibrations
- Integrated water vapour barrier
- Very low flue gas emissions

## Shrink connection sleeve SVSM for the Swiss Federal Railways

100% RoHS 100% REACH

For the production of connecting sleeves for signalling cables of the Swiss Federal Railways (Schweizerische Bundesbahnen AG).

- High mechanical strength due to fibre-reinforced shrink sleeve and protective metal insert
- Can be installed on all cable types
- Indicators for correct installation
- Simple and secure installation without additional tools, even if the cables are oval
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- High tensile strength and shrink force without longitudinal shrinkage
- Insensitive to movement and vibrations
- Integrated water vapour barrier
- Very low flue gas emissions

## Shrink connection and branch sleeve VASM-B

100% RoHS 100% REACH DB

For the production of connection and branch shrink sleeves for telecommunication cables with approval of Deutsche Bahn AG.

- High mechanical strength due to fibre-reinforced shrink sleeve and protective metal insert
- Can be installed on all cable types
- Indicators for correct installation
- Simple and secure installation without additional tools, even if the cables are oval
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- High tensile strength and shrink force without longitudinal shrinkage
- Insensitive to movement and vibrations
- Integrated water vapour barrier
- Very low flue gas emissions

## Shrink protection sleeve VASS

100% RoHS 100% REACH DB

**For producing the external protection sleeve for sleeve types VASM-B, SVSM and XAGA 500.**

- High mechanical strength due to fibre-reinforced shrink sleeve and protective metal insert und Metallschutzeinlage
- Can be installed on all cable types
- Indicators for correct installation
- Simple and secure installation without additional tools, even if the cables are oval
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- High tensile strength and shrink force without longitudinal shrinkage
- Insensitive to movement and vibrations
- Very low flue gas emissions

## Contacting kit LK

100% RoHS 100% REACH CE DB

**Kit for solderless contacting of the concentric shield/the induction protection armouring, as well as armouring and metal sheath.**

- Low contact resistance
- Easy, quick and safe installation

## Earthing rope EPPA

100% RoHS 100% REACH DB

**For through-connection of the concentric shield/the induction protection armouring.**

## Shrink tubing LSTT

DB

**For insulating the EPPA earthing ropes (flat copper conductors)**

- Shrinkage rate 2:1
- Shrink material made from polyolefin
- Reliable protection against moisture and water
- Excellent insulation properties
- Very suitable for heat-sensitive applications

## Shield connection cable SHCO

DB

**For through-connection of the static shield in the layer sheath.**

- With press clamp on both sides
- Color: black
- Secure through-connection of the layer sheath
- Low contact resistance

## Heat shrinkable end caps

**For termination of cable ends during transport, storage and laying.**

- Shrinking temperature from +120°C
- Shrinkage rate 3:1
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High mechanical strength
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- Easy, quick and safe installation
- Advantageous shrink rate for a wide range of applications

## Branch clamp BOCL

For fixing and sealing the branch

## Self-sealing, butyl rubber tape, 3M Scotchfil™

for the production of the protective wrap


DB

## Insulated crimp connector Cembre WL-M

DB

**For producing a watertight wire connection by crimping solid conductors in conjunction with heat-shrink technology.**

- Fast, convenient and durable waterproof solution for connection technology
- The mechanical and electrical connection is made using a commercially available crimping tool
- Heat shrinkage after crimping enables reliable sealing of all cavities during hot melt adhesive liquefaction
- Outstanding mechanical resistance to vibration, bending, etc.
- High strain relief of the cores
- Complete visual inspection possible thanks to transparent outer shell
- Easy, quick and safe installation

## Paper insulating sleeves

For insulating splices in signalling and telecommunications cables

## Waxed binding twine

For tying out cable harnesses and fixing wires within the cable sleeve

- Thickness: 1 mm
- Length: 440m

## Fiber-optic cable repair kit / damage sleeve

DB


**Fiber-optic cable, pre-assembled on both ends with gel joints FIST-GCOG2**

- Easy handling
- Significantly faster installation in the event of an accident
- All small components are enclosed
- Cost savings due to significantly reduced downtimes

## Fiber Optic Pigtail

**A pigtail is a 900 µm fiber optic cable that is pre-assembled on one side. These so-called pigtails are used in passive housing technology.**

- Fiber type: Singlemode E9/125
- Fiber number: Simplex
- Diameter cable: 900µm
- Working temperature range: -20°C up to 60°C
- (Semi-)Tight-buffered fiber with 600 or 900 µm
- Pre-assembled on one or both sides
- Suitable for use in enclosures only
- Fiber with primary coating (dyed)
- Gel-free fiber or fiber with sliding layer
- Secondary coating made of thermoplastic material
- Production according to customer specifications - fiber type, length, color and connector type freely selectable

## Fiber optic patch cords

**Patch cords are on both sides pre-assembled simplex or duplex cables and are suitable for use in housings and are used in structured communication networks in accordance with ISO/ IEC 11801 and EN 50173. Duplex cables are available in figure-0 and figure-8. Our patch cords are manufactured entirely according to customer specifications, i.e. fiber type, length, color and connector types are freely selectable.**

- Production according to customer specifications - fiber type, length, color and connector type freely selectable
- Pre-assembled on both sides
- Not suitable for laying using the pull-in or blow-in method
- For use in cabinets, sleeves and, to a limited extent, in cable ducts

## breakout cables

**Breakout cables are fiber optic cables pre-assembled on one or both sides for establishing connections between cabinets over longer distances.**

- Pre-assembled on one or both sides
- Production according to customer specifications - cable type, fiber type, length, color and connector type freely selectable
- Length up to 1000m
- With kink-proof protective tube for safe installation

## Fiber optic connectors


**Selection of connectors for pigtails, patch cords and breakout cables.**

- Available in PC and APC endface designs
- Other connectors on request (z.B. FSMA, MTRJ, DIN, ...)

## Fiber-optic dome joint FIST-GCOG2

DB

**The FIST-GCOG2 is a dome joint with a cable seal for up to six cables.**

- Socket pipe and socket cap are sealed with an O-ring
- The gel sealing system enables quick opening and closing
- Suitable for installation in cable ducts, in the ground, for attachment to masts, walls and frames.
- Six round openings allow the insertion of uncut cables without having to adapt to the cable diameter.
- The UMS profile (= Universal Mounting System) is used to attach the base plates for splice and coupler cassettes

## Copper compression cable lug, DIN 46235

**Cu acc. to DIN EN 13600, galvanised tin-plated.**

- Suitable for indoor and outdoor systems
- For round conductors e.g. acc. to DIN EN 60228 Class 1, 2, 5 and 6
- For strain-relieved copper cables, e.g. acc. to DIN 48201-1
- For round-pressed stranded sector conductors
- With code number for clear tool assignment
- With press mark for correct pressing
- Optimum material and pressing properties thanks to annealed material
- Tin-plated to protect against corrosion

## Copper compression connector, DIN 46267 T.1

**Cu acc. to DIN EN 13600, galvanised tin-plated or bare.**

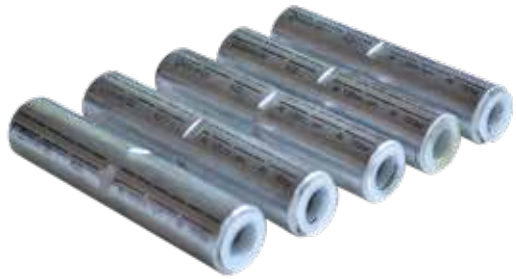
- For round conductors e.g. acc. to DIN EN 60228 Class 1, 2, 5 and 6
- For strain-relieved copper cables, e.g. acc. to DIN 48201-1
- For round-pressed stranded sector conductors
- With code number for clear tool assignment
- With press mark for correct pressing
- Tin-plated to protect against corrosion

## Aluminium compression cable lug, DIN 46329

**Pipe dimensions acc. to DIN 46329, Material: Al 99,5.**

- Suitable for indoor and outdoor systems
- For strain-relieved connections of aluminium conductors acc. to DIN EN 60228 and aluminium cables acc. to DIN EN 50182
- For round-pressed stranded sector conductors
- With code number for clear tool assignment
- Surface: bare

## Al-Press connector, DIN 46267 T.2



**Aluminium acc. to DIN EN 50182, bare.**

- With code number for clear tool assignment
- With press mark for correct pressing
- For strain-relieved connections of aluminium cables
- Filled with special contact grease
- The aluminium tube has a purity of at least 99.5%

## Screw cable lug with breakaway head up to 0.6/1 kV

**High strength aluminium alloy (AlMgSi); corrosion resistant. Threaded screws: aluminium alloy, with multiple shear head. Aluminium surface: Tinned, suitable for Al and Cu conductors.**

- Connector: High-strength aluminium alloy (AlMgSi); corrosion-resistant
- Al surface: Tin-plated suitable for Al and Cu conductors
- Threaded screws: aluminium alloy, with multiple break-off head

## Screw connector with shear head up to 0.6/1 kV

**High strength aluminium alloy (AlMgSi); corrosion resistant. Threaded screws: aluminium alloy, greased or steel in brass connectors, tin-plated. Aluminium surface: Tinned, suitable for Al and Cu conductors.**

- Connector: High-strength aluminium alloy (AlMgSi); corrosion-resistant
- Threaded screws: Al alloy, greased or steel in brass connectors galvanised tin-plated
- Al surface: Tin-plated suitable for Al and Cu conductors

## Baykaplus BayEnergy®
## Joining and connection elements for railway earthing cables with Al/AlSt-conductors

Connection components for aluminium railway grounding cables, also with EBA approval and DB approval. E.g. bell-type cable lugs, AlCu connectors, C-clamps

DB

## Baykaplus BayEnergy®
## Joining and connection elements for railway earthing cables with Cu/CuStAl-conductors

Press cable lugs with EBA approval and DB approval for flexible railway grounding cables with copper-steel-aluminium conductors

DB

## 0,6/1 kV Shrink connection sleeve for four- and five-core polymeric cables without screen

Standard connection sleeve for four- and five-core polymeric cables 0.6/1kV. Version with tear-off head screw connectors.

- Incl. screw connectors with shear head
- Suitable for Al and Cu conductors
- Universally applicable for connecting unshielded plastic cables (e.g. N(A)YY, N(A)2XY, N2XH,...)
- Halogen-free
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Very good adhesion to various cable materials such as e.g. B. PVC, PE, XLPE and metal
- Resistant to environmental and chemical influences such as alkalis in the soil
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions

## 0,6/1 kV Shrink connection sleeve for screened polymeric cables / cables with concentric conductor

**Standard straight-through joint for 0.6/1 kV polymeric cables. Version for compression joints. Universally applicable for connecting screened polymeric cables (e.g. N(A)YCWY). Without compression joints.**

- Suitable for Al and Cu conductors
- Halogen-free
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Very good adhesion to various cable materials such as e.g. B. PVC, PE, XLPE and metal
- Resistant to environmental and chemical influences such as alkalis in the soil
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- Universally applicable for connecting shielded plastic/ Ceander cables

## Cable repair sleeve

**Universally applicable for quick, permanent and safe repair of damaged outer cable sheaths.**

- Shrinkage rate 3:1
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Split lengthwise
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions

## Adhesive repair sleeve

**Universally applicable for quick, permanent and safe repair of damaged outer cable sheaths. Compatible with all common jacket materials, e.g. PVC, PE, XLPE, rubber, ...**

## Shrink tubing, medium-wall

**Medium-wall shrink tubing for use in indoor and outdoor systems, on cables and lines in the low-voltage area.**

- Shrinking temperature from 125°C
- Shrinkage rate 3:1
- Halogen-free
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions

## Shrink tubing, thick-wall

**Thick-wall shrink tubing for use in indoor and outdoor systems, on cables and lines in the low-voltage area.**

- Shrinkage rate 3:1
- Halogen-free
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High mechanical strength
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions

## Cold shrinkable tubing

**For use in indoor and outdoor systems, on cables and lines in the low-voltage area.**

- Shrinkage rate 3:1
- Halogen-free
- High mechanical strength
- Eco-friendly based on silicone
- Easy handling
- Installation without heat exposure

## Heat shrinkable end caps

**For termination of cable ends during transport, storage and laying.**

- Shrinking temperature from +120°C
- Shrinkage rate 3:1
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High mechanical strength
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- Easy, quick and safe installation
- Advantageous shrink rate for a wide range of applications

## Heat shrinkable live end seals


**Universally applicable set of end caps for voltage-proof termination of 4-core-cables.**

- Shrinkage rate 3:1
- UV-resistant
- Hot melt adhesive coating on the inside
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High mechanical strength
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions
- Easy, quick and safe installation
- Advantageous shrink rate for a wide range of applications

## Heat shrinkable end caps with pull eye

**Heat shrinkable end caps with hot melt adhesive coating and pull eye up to 0,6/1 kV.**

- Shrinkage rate 3:1
- Installation with standard propane gas burner
- High mechanical strength
- Waterproof due to hot melt adhesive coating
- High shrinkage capacity
- Permitted pulling force at least 13 N/mm$^2$
- Assembly without special tools
- Strong connection between cable and end cap

## Break out caps

**For 2-core, 3-core, 4-core and 5-core cables and wires with adhesive layer up to 0.6/1 kV.**

- Shrinkage rate 3:1
- UV-resistant
- Shrink material made from polyolefin
- Hot melt adhesive coating on the inside
- Installation with standard propane gas burner
- Reliable protection against moisture and water
- High mechanical strength
- High temperature resistance allows shrinking with a hard flame in unfavorable weather conditions

## Termination for screened single core polymeric cables 6/10kV to 20,8/36 kV

**For indoor and outdoor use, including cable lug for the conductor connection.**

- Easy, quick and safe installation
- Suitable for indoor and outdoor systems
- For cables with PVC and PE outer sheath, e.g. N(A)YSY, N(A)2YSY, N(A)2XSY, N(A)2XS(F)2Y
- Weather-resistant sealant is used for hermetic sealing
- Overhead mounting' is achieved by turning the screens round
- Excellent adaptation to different cable diameters
- Slide-on technology made from silicone rubber
- Installation without the effect of heat

## Straight-through joint for screened single core polymeric cables 6/10kV to 20,8/36 kV

**Suitable for use on plastic-insulated, shielded medium-voltage cables, including screw connectors.**

- Easy, quick and safe installation
- Short overall length even with large cross-section
- For cables with PVC and PE outer sheath, e.g. N(A)YSY, N(A)2YSY, N(A)2XSY, N(A)2XS(F)2Y
- Insert trays for centring and parallel conductor routing
- Cable ends are treated before connection with field control tape and field control hoses
- Connector is smoothed electrically and mechanically using a black field-smoothing mastic
- The field boundary is created by an insulating body
- Secure installation thanks to shear bolts with torque
- The inner protection is provided with silicone rubber using the slide-on technique
- The outer protection is provided by a heat-shrinkable tubing as standard

# FOR THE LOVE OF CABLES.

With the highest demands on the quality of our cables.

BR01 EN – Edition: 09/2026

WE LOOK FORWARD TO YOUR ENQUIRY!

## CONTACT

BAYERISCHE KABELWERKE AG
Otto-Schrimpff-Straße 2
D – 91154 Roth

Tel: +49 (0) 09171 / 806-111
Fax: +49 (0) 09171 / 806-222
E-Mail: kabel@bayka.de

**www.bayka.de**

Find your contact person for your region here
**www.bayka.de/contact**

Chairwoman of the supervisory board: Christiane Wilms-Mester
Management: Johann Erich Wilms
Registered office: 91154 Roth (Germany)
Journalisation commercial register under HRB-Nr. 314 at local court of Nürnberg

Bayka® since 1885