

FO outdoor cable

BayCom® A-DQ(ZN)2Y(SR)2Y



- central non-metallic support element
- 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
- corrugated steel tape armoring
- outer protective covering, PE, black

The product graphics are not to scale and do not represent detailed images of the respective products.



Order-No.	Product	No. of fibers	CPR Reaction to fire class	Fire load [MJ/m]	Outer diameter approx. [mm]	Net weight approx. [kg/km]	Tensile force max. [daN]	Bending radius one-off min. [mm]	Bending radius repeated min. [mm]	Standard length [m]	Standard drum size	Max. production length [m]
5830210	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 2 E9/125 (VS)	2	Fca	6.0	16.0	210.00	300	230	310	4000	205	6000
5830400	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 4 E9/125 (VS)	4	Fca	6.0	16.0	208.00	300	240	320	4000	205	6000
5832410	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 6 G50/125 (OM3/ VS)	6	Fca	6.0	16.0	208.00	300	230	310	4000	205	6000
5835410	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 6 G62,5/125 (OM1/ VS)	6	Fca	6.0	16.0	208.00	300	240	320	4000	205	6000
5831410	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 6 G50/125 (OM2/ VS)	6	Fca	6.0	16.0	208.00	300	230	310	4000	205	6000
5830410	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 6 E9/125 (VS)	6	Fca	6.0	16.0	208.00	300	230	310	4000	205	6000
5833410	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 6 G50/125 (OM4/ VS)	6	Fca	6.0	16.0	208.00	300	240	320	4000	205	6000
5830420	BayCom® A-DQ(ZN)2Y(SR)2Y 1x 8 E9/125 (VS)	8	Fca	7.0	17.0	235.00	330	255	340	4000	200	6000
5830430	BayCom® A-DQ(ZN)2Y(SR)2Y 1x10 E9/125 (VS)	10	Fca	7.0	17.0	235.00	330	255	340	4000	200	6000
5830450	BayCom® A-DQ(ZN)2Y(SR)2Y 1x12 E9/125 (VS)	12	Fca	7.0	17.0	235.00	330	255	340	4000	200	6000
5840070	A-DQ(ZN)2Y(SR)2Y 2x12 E9/125	0		0.0	0.0	0.00	0	0	0	4000		5000
5828260	BayCom® A-DQ(ZN)2Y(SR)2Y 2x 6 G50/125 (OM3)	4	Fca	6.0	16.0	209.00	300	230	310	4000	205	4000
5830220	BayCom® A-DQ(ZN)2Y(SR)2Y 2x 2 E9/125	4	Fca	6.0	16.0	210.00	300	230	310	4000	205	6000
5825270	BayCom® A-DQ(ZN)2Y(SR)2Y 2x 6 G50/125 (OM4)	12	Fca	6.0	16.0	209.00	300	230	310	4000	205	4000
5830460	BayCom® A-DQ(ZN)2Y(SR)2Y 2x12 E9/125	24	Fca	7.0	17.0	235.00	330	255	340	4000	200	6000
5832130	BayCom® A-DQ(ZN)2Y(SR)2Y 3x 4 E9/125	12	Fca	6.0	16.0	210.00	300	230	310	4000	205	6000
5840177	BayCom® A-DQ(ZN)2Y(SR)2Y 3x12 E9/125 (SMF28-Ultra)	36	Fca	7.0	17.0	235.00	330	255	340	4000	200	5000
5840170	BayCom® A-DQ(ZN)2Y(SR)2Y 3x12 E9/125	36	Fca	7.0	17.0	235.00	330	255	340	4000	200	5000

Order- No.	Product	No. of fibers	CPR Reaction to fire class	Fire load [MJ/m]	Outer di- ameter approx. [mm]	Net weight approx. [kg/km]	Tensile force max. [daN]	Bending radius one-off min. [mm]	Bending radius repeated min. [mm]	Stan- dard length [m]	Stan- dard drum size	Max. pro- duction length [m]
5830230	BayCom® A-DQ(ZN)2Y(SR)2Y 4x 2 E9/125	8	Fca	6.0	16.0	210.00	300	230	310	4000	205	6000
5840270	BayCom® A-DQ(ZN)2Y(SR)2Y 4x12 E9/125	48	Fca	7.0	17.0	235.00	330	255	340	4000	200	5000
5840470	BayCom® A-DQ(ZN)2Y(SR)2Y 5x12 E9/125	60	Fca	7.0	17.0	237.00	330	225	340	4000	200	5000
5840240	BayCom® A-DQ(ZN)2Y(SR)2Y 6x 2 E9/125	12	Fca	7.0	17.0	240.00	330	255	340	4000	200	6000
5840250	BayCom® A-DQ(ZN)2Y(SR)2Y 6x 4 E9/125	24	Fca	7.0	17.0	240.00	330	255	340	4000	200	6000
5840290	BayCom® A-DQ(ZN)2Y(SR)2Y 6x12 E9/125	72	Fca	7.0	17.0	240.00	350	255	340	4000	205	4000
5830440	BayCom® A-DQ(ZN)2Y(SR)2Y 8x12 E9/125	96	Fca	9.0	19.0	300.00	400	285	380	4000	200	4000
5830350	BayCom® A-DQ(ZN)2Y(SR)2Y 10x12 E9/125	120	Fca	11.0	21.0	360.00	550	315	420	2000	160	3500
5830320	BayCom® A-DQ(ZN)2Y(SR)2Y 12x12 E9/125	144	Fca	12.0	22.0	390.00	550	330	440	2000	180	3000
5830327	BayCom® A-DQ(ZN)2Y(SR)2Y 12x12 E9/125 (SMF28-Ultra)	144	Fca	12.0	22.0	390.00	550	330	440	2000	180	3000
5830340	BayCom® A-DQ(ZN)2Y(SR)2Y 16x12 E9/125	192	Fca	14.5	24.0	467.00	550	360	480	2000	205	2500
F458334	A-DQ(ZN)2Y(SR)2Y 24x12 E9/125	0		0.0	0.0	0.00	0	0	0	2000		3000

Errors and omissions excepted, weights, dimensions and fire loads are approximate values.

Tensile force only valid for short-term loads during laying if all cable structure elements are involved in a force-fit connection.

The bending radius one-off applies to the laying and shaping of the cable into end position. The bending radius repeated applies to dynamic bending processes e.g. during laying. The specified laying temperature must be observed.

The order numbers apply for fibers acc. to G.652.D (Standard). In case other fibers are needed, just add G.652.D BayCom*, G.657 A1, OM2, OM3 or OM4 to the product name.

Other designs, fitted lengths and larger delivery lengths on request.

Product Description

Outdoor fiber-optic cable (FOC) with metallic rodent protection (steel channel sheath), as termination and connection cable in wide area and local area networks, PBXs, for telephony and data transmission in the design: Rugged outdoor cable with reinforced sheath. This cable is optimised for construction and underground installation and complies with the long experience of fibre optic and telecommunication cables laid in the ground (VDE 0888, VDE 0816 and similar).

The following applies to FO cables acc. to the company standard BayCom LWL01:

2 ripcords facilitate installation

The cable is for installation in the ground or outside structures and is therefore not subject to the CPR.

It cannot be classified as Eca or better.

Technical Data

acc. to Bayka company standard BayCom LWL 01

acc. to DIN VDE 0888-3

fibers acc. to ITU-T G.652.D

fibers acc. to ITU-T G.657.A1

fibers acc. to ITU-T G.651

acc. to EN 60794-3 (VDE 0888-108)

halogen-free acc. to EN 60754-2 (no corrosive fire gases, conductivity)

UV and weather resistance based on DIN EN 50289-4-17

UV and weather resistance based on ISO 4892-2 method A1

This product is in compliance with RoHS Directive (Restriction of Hazardous Substances) and REACH (European Chemicals Regulation)

[to cable designation code tables](#)

Singlemode - fiber data	
G.652.D (Standard)	E9/125 0,36F3,5 0,22H18
G.657.A1	E9/125 0,36F3,5 0,21H18
Multimode - fiber data	
OM2	G50/125 2,5B500 0,7F500

OM3	G50/125 2,5B1500 0,7F500
OM4	G50/125 2,5B3500 0,7F500
Permissible operating temperatures (cable) [°C]	
Transport and storage (min.)	-40
Transport and storage (max.)	70
Laying (min.)	-10
Laying (max.)	60
Operation (min.)	-30
Operation (max.)	70

Errors and omissions excepted, weights, dimensions and fire loads are approximate values.

Tensile force only valid for short-term loads during laying if all cable structure elements are involved in a force-fit connection.

The bending radius one-off applies to the laying and shaping of the cable into end position. The bending radius repeated applies to dynamic bending processes e.g. during laying. The specified laying temperature must be observed.

The order numbers apply for fibers acc. to G.652.D (Standard). In case other fibers are needed, just add G.652.D BayCom*, G.657 A1, OM2, OM3 or OM4 to the product name.

Other designs, fitted lengths and larger delivery lengths on request.