

Optical fibre cable - standard - outdoor

A-DQ(ZN)B2Y 3,0 kN G.652D (HT)



Application: Outdoor cable for universal use.

Construction and technical data:

- Loose tubes with 12 optical fibres, filled with thixotropic compound
- 12/24 fibre cable: Central loose tube
- From 24 fibres: Stranded loose tubes; central strength member made of fibre reinforced plastic (FRP), if applicable incl. overheating; dummies if required
- 192, 216 and 288 fibres: 2-layer construction
- Cable strand: Dry, with water-blocking materials
- Strength members / metal-free reinforcement: Glass yarns
- Outer sheath: HDPE, 2 underlying rip cords

Standard: IEC 60793-1, IEC 60793-2, IEC 60794-3-10

Sheathing material: polyethylene

Colour of outer sheath: black

Cable metal-free: yes

Permitted storage and transport temperature: -20 - +70 °C

Permitted installation temperature: -5 - +50 °C

Permitted operating temperature: -20 - +60 °C

Bending radius (under tension): 20 x Ø

Bending radius (without tension): 10 x Ø

Printing method: ink jet

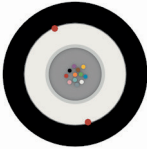
Type of installation: Installation pipe (Multiple cables installation)

Maximum tensile strength (installation), N: 3000 N

Meter mark: yes



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

	12 fibres	72 fibres	288 fibres
Cross-section (not to scale)			

A-DQ(ZN)B2Y nx12 E9 G.652D 3.0 kN

Standard:	ITU-T G.652D
Fibre attenuation @1310 nm cabled:	≤0.36 dB/km
Fibre attenuation @1550 nm cabled:	≤0.22 dB/km
Mode field diameter (MFD) @1310 nm:	9.2 ± 0.4 µm
Mode field diameter (MFD) @1550 nm:	10.4 ± 0.8 µm
Zero dispersion wavelength:	1300 ~ 1324 nm
Zero dispersion slope:	≤0.092 ps/nm ² * km
Polarisation mode dispersion (PMD):	≤0.1 ps/√km
Cut-off wavelength:	≤1260 nm
Outer diameter (fibre):	245 ± 10 µm
Cladding diameter (fibre):	125 ± 1 µm
Core/clad concentricity error:	≤0.6 µm
Cladding non-circularity:	≤1.0 %
Proof stress:	≥0.69 GPa

part no.	part name	Number of fibres [n]	Wm [mm]	Ø [mm]	Fzv [N]	Fzp [N]	Lt1	DI1	Lt2	DI2	Ø Lt [mm]	FRP [mm]	p [N]	G [kg]	
072449	Standard A-DQ(ZN)B2Y 1X12 G.652D CT 3,0kN OD8 SW	12	1.3	8	3000	1500	1	0			3.5		2000	60	singlemode
073500	Standard A-DQ(ZN)B2Y 1X24 G.652D CT 3,0kN OD8 SW	24	1.3	8	3000	1500	1	0			3.5		2000	80	singlemode
072450	Standard A-DQ(ZN)B2Y 2X12 G.652D 3,0kN OD10,5 SW	24	1.3	10.5	3000	1500	2	4			2.2	2,4	2000	85	singlemode
072432	Standard A-DQ(ZN)B2Y 4X12 G.652D 3,0 kN OD10,5 SW	48	1.3	10.5	3000	1500	4	2			2.2	2,4	2000	85	singlemode
072451	Standard A-DQ(ZN)B2Y 6X12 G.652D 3,0kN OD10,5 SW	72	1.3	10.5	3000	1500	6	0			2.2	2,4	2000	85	singlemode
072452	Standard A-DQ(ZN)B2Y 8X12 G.652D 3,0kN OD11,7 SW	96	1.3	11.7	3000	1500	8	0			2.2	3.8 / 3.0	2000	114	singlemode

part no.	part name	Number of fibres [n]	Wm [mm]	Ø [mm]	Fzv [N]	Fzp [N]	Lt1	DI1	Lt2	DI2	Ø Lt [mm]	FRP [mm]	p [N]	G [kg]	
072453	Standard A-DQ(ZN)B2Y 12X12 G.652D 3,0kN OD14,6 SW	144	1.3	14.6	3000	1500	12	0			2.2	6.8 / 3.3	2000	170	singlemode
072454	Standard A-DQ(ZN)B2Y 16X12 G.652D 3,0kN OD15,5 SW	192	1.3	15.5	3000	1500	6	0	10	2	2.2	2,4	2000	190	singlemode
072456	Standard A-DQ(ZN)B2Y 24X12 G.652D 3,0kN OD16,5 SW	288	1.3	16.5	3000	1500	9	0	15	0	2.2	4.6 / 3.3	2000	255	singlemode

Number of fibres	Number of fibres
Wm	Wall thickness of sheath
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Fzp	Tensile strength (permanent)
Lt1	Loose tubes 1st layer
DI1	dummies 1st layer
Lt2	Loose tubes 2nd layer
DI2	dummies 2nd layer
Ø Lt	Loose tube Ø
FRP	Central strength member / FRP
p	Crush resistance
G	net weight per 1000

Farbfolge Fasern / Colour sequence of fibres											
1	2	3	4	5	6	7	8	9	10	11	12
red	green	blue	yellow	white	grey	brown	violet	cyan	black	orange	pink
13	14	15	16	17	18	19	20	21	22	23	24
red	green	blue	yellow	white	grey	brown	violet	cyan	natural	orange	pink

Farbfolge Bündeladern – Variante 1 / Colour sequence of Loose tubes – variant 1														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
red	green	blue	yellow	white	grey	brown	violet	cyan	black	orange	pink	white	white	white
Jede Lage beginnend mit 1; ab der 13. Bündelader weiß; Blindelemente sind naturfarben / Each layer beginning with 1; from the 13th Loose tube white; dummies are natural coloured														

Farbfolge Bündeladern – Variante 2 / Colour sequence of Loose tubes – variant 2														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
red	green	blue	yellow	white	grey	brown	violet	cyan	black	orange	pink	red	green	blue
Jede Lage beginnend mit 1; ab der 13. Bündelader mit Ringsignierung; Blindelemente sind naturfarben / Each layer beginning with 1; from the 13th Loose tube with ring marking; dummies are natural coloured														