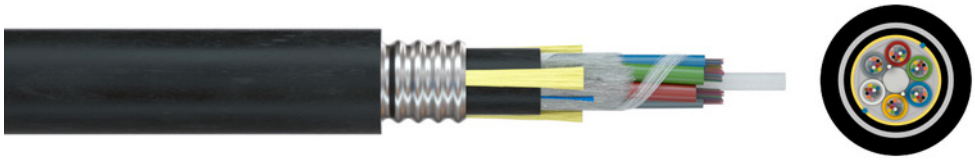
Optical Standard Cable
A-DQ(ZN)2Y(SR)2Y nx12 G.652D



Application: Outdoor cable with metallic rodent protection for universal use.

Construction and technical data:

- Loose tubes with 12 optical fibres, filled with thixotropic compound
- 12 fibre cable: Central loose tube
- From 24 fibres: Stranded loose tubes; central strength member made of glass fibre reinforced plastic (GFRP), if applicable incl. oversheathing; dummies if required
- Cable strand: Dry, with water-blocking materials
- Inner sheath: HDPE
- Reinforcement, metallic: ribbed steel strip, coated on both sides
- Outer sheath: HDPE

Standard:	IEC 60793-1, IEC 60793-2, IEC 60794-3-10
Colour of outer sheath:	black
Permitted storage and transport temperature:	-30 - +70 °C
Permitted installation temperature:	-10 - +50 °C
Permitted operating temperature:	-20 - +70 °C
Bending radius (under tension):	20 x Ø
Bending radius (without tension):	10 x Ø
Printing method:	ink jet

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.

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A-DQ(ZN)2Y(SR)2Y nx12 E9 G.652D

Standard:	ITU-T G.652D
Fibre attenuation @1310 nm cabled:	≤0.36 dB/km
Fibre attenuation @1550 nm cabled:	≤0.22 dB/km
Fibre attenuation @1310 nm bare fibre:	≤0.34 dB/km
Fibre attenuation @1550 nm bare fibre:	≤0.20 dB/km
Mode field diameter (MFD) @1310 nm:	9.0 ± 0.4 µm
Mode field diameter (MFD) @1550 nm:	10.4 ± 0.6 µm
Zero dispersion wavelength:	1300 ~ 1324 nm
Zero dispersion slope:	≤0.092 ps/nm² * 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]	Ø [mm]	Fzv [N]	Lt1	Dl1	Ø Lt [mm]	p [N]	G [kg]
072895	A-DQ(ZN)2Y(SR)2Y 1X12 G.652D CT 1,7kN OD 11.3 SW	12	11.4	1700	1	0	3.5	2500	120
072896	A-DQ(ZN)2Y(SR)2Y 2X12 G.652D 2,6kN OD 13.7 SW	24	13.6	2600	2	3	2.3	3500	165
072897	A-DQ(ZN)2Y(SR)2Y 4X12 G.652D 2,6kN OD 13.7 SW	48	13.6	2600	4	1	2.3	3500	165

Number of fibres	Number of fibres
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Lt1	Loose tubes 1st layer
Dl1	dummies 1st layer
Ø Lt	Loose tube Ø
p	Crush resistance / 10 cm
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

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