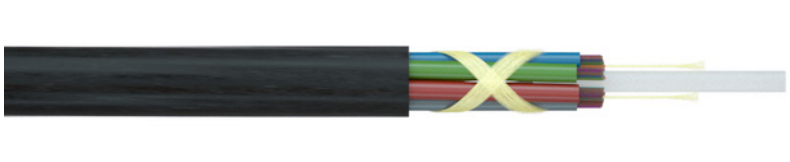
Optical micro cable
10/6 A-DQ(ZN)2Y nx12 (HT)



Application: Micro cable for blowing into microducts.

Construction and technical data:

- Loose tubes with 12 optical fibres, filled with thixotropic compound
- Stranded loose tubes; central strength member made of fibre reinforced plastic (FRP), dummies if required
- Outer sheath: HDPE

All optical measurements at 1550 nm

Standard:	IEC 60793-1, IEC 60793-2, IEC 60794-5
Colour of outer sheath:	black
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):	15 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.

	72 fibres
Cross-section (not to scale)	

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A-D(ZN)2Y 1xn E9 G.657A1/G652D

Standard:	ITU-T G.657A1
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/nm² * km
Polarisation mode dispersion (PMD):	≤0.1 ps/√km
Cut-off wavelength:	≤1260 nm
Macro bending loss @1550 nm (10 turns Ø30 mm):	≤0.25 dB
Macro bending loss @1550 nm (1 turn Ø20 mm):	≤0.75 dB
Outer diameter (fibre):	200 ± 10 / 250 ± 10 µm
Cladding diameter (fibre):	125 ± 1.0 µm
Core/clad concentricity error:	≤0.6 µm
Cladding non-circularity:	≤1.0 %

part no.	part name	Number of fibres [n]	Ø [mm]	Fzv [N]	Lt1	Dl1	p [N]	G [kg]
073373	Micro A-DQ(ZN)2Y 1X12 G.657A1/G.652D 200 OD 4.4 SW	12	4.4	200	1	0	300	10
072485	Micro A-DQ(ZN)2Y 2X12 G.657A1/G.652D 200 OD 4.4 BK	24	4.4	200	2	6	300	16
072137	Micro A-DQ(ZN)2Y 4X12 G.657A1/G.652D 200 OD 4.4 BK	48	4.4	200	4	2	300	19
072361	Micro A-DQ(ZN)2Y 6X12 G.657A1/G.652D 200 OD 4.4 BK	72	4.4	200	6	0	300	20
074398	Micro A-DQ(ZN)2Y 8X12 G.657A1/G.652D 200 OD 4.6 BK	96	4.6	200	8	0	300	25

Number of fibres	Number of fibres
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Lt1	Loose tubes 1st layer
Dl1	dummies 1st layer
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