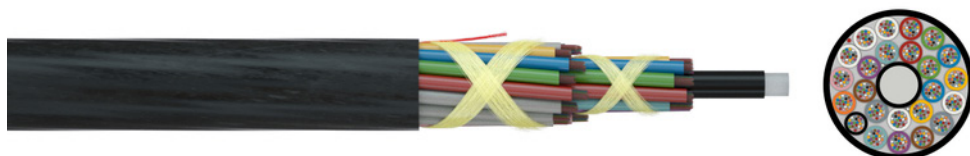


Optical Mini Cable

A-DQ4Y nx24 G.657A1/G.652D (HT)



Application: Mini cable for blowing into microducts.

Construction and technical data:

- Loose tubes with 24 optical fibres, filled with thixotropic compound
- Stranded loose tubes; central strength member made of fibre reinforced polyamid (PA), if applicable incl. overshathing; dummies if required
- Cable strand: Dry, with water-blocking materials
- Outer sheath: HDPE, 1 underlying rip cord

Standard: IEC 60793-1, IEC 60793-2, IEC 60794-5

Sheathing material: Polyamide (PA)

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

Type of installation: Microducts (Single cable installation)

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.

	144 fibres	192 fibres	288 fibres	576 fibres
Cross-section (not to scale)				
Recommended for microduct dimension (A/I-Ø in mm)	12/8 14/10	14/10 16/12	16/12 20/15	20/15

Mini A-DQ4Y nx24 E9 G.657A1 200μ

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/nm ² * 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]	Wm [mm]	Ø [mm]	Fzv [N]	Lt1	DI1	Lt2	DI2	Ø Lt [mm]	FRP [mm]	p [N]	G [kg]	
072441	Mini A-DQ4Y 4X24	96	0.5	6.2	500	4	2			1.7	1.8	500	38	singlemode
072442	Mini A-DQ4Y 6X24	144	0.5	6.2	500	6	0			1.7	1.8	500	38	singlemode
072443	Mini A-DQ4Y 8X24	192	0.5	7.2	1000	8	0			1.7	2.8	500	52	singlemode
072444	Mini A-DQ4Y 9X24	216	0.5	7.8	1000	9	0			1.7	3.4 / 2.6	500	61	singlemode
072445	Mini A-DQ4Y 12X24	288	0.5	9.4	1000	12	0			1.7	5.0 / 2.8	500	88	singlemode
072446	Mini A-DQ4Y 16X24	384	0.5	11.2	1000	9	0	7	8	1.7	3.4 / 2.8	500	115	singlemode
072448	Mini A-DQ4Y 24X24	576	0.5	11.2	1000	9	0	15	0	1.7	3.4 / 2.8	500	115	singlemode

Number of fibres	Number of fibres
Wm	Wall thickness of sheath
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
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														