

Mini A-DQ(ZN)2Y

mLD10

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Dielectric outdoor cable with stranded loose tubes
suited for blowing into microducts



Design



- Central strength element (FRP), PE-coated if necessary
- Optical fibres in gel-filled loose tube
- Filler, if necessary
- Water swellable elements
- Ripcord
- HDPE outer sheath

Optical Fibres

Singlemode fibre: **ITU-T G.657.A1, G.652.D (optional)**

Product description

- Cable for outdoor applications, blown into microducts
- Up to 24 colour-coded optical fibres in gel-filled loose tubes, stranded around a central element (coated if necessary)
- Filler, if necessary
- Water swellable elements to achieve the longitudinal watertightness
- A ripcord for easy sheath removal
- Outer sheath made of black polyethylene, UV- and weather-resistant



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Characteristics

Mini A-DQ(ZN)2Y						
Fibre count, max.	60	72	96	144	144	288
Tube count	1 ... 5	1 ... 6	8	6	12	24
Fibres per tube, max.	12	12	12	24	12	12
Cable diameter (mm)	4.6	5.3	6.2	6.4	8.0	9.4
Weight (kg/km)	15	22	33	35	57	70
Maximum tensile force (N)	300	500	800	700	1100	1500
Crush resistance (N/dm)	500	500	500	500	500	500
Minimum bending radius	20 x cable diameter					
Temperature range						
- Storage, transport (°C)	- 40 to + 70					
- Installation (°C)	- 5 to + 60					
- Operation (°C)	- 20 to + 70					
Compliance	IEC 60793 / 60794; ITU-T; VDE 0888					
Microduct-Ø, interior (mm)	≥ 6	≥ 8	≥ 8	≥ 8	≥ 10	≥ 12

All dimensions and weights are nominal values

Cable marking

Per metre:

<Metre marking> Mini A-DQ(ZN)2Y <tube count>x<fibre count> <fibre type> RHENANIA <cable ID>

<optional customer designation>

Fibre colour code

1 RD	2 GN	3 BU	4 YE	5 WH	6 GY	7 BN	8 VT	9 TQ	10 BK	11 OG	12 PK
13 RD	14 GN	15 BU	16 YE	17 WH	18 GY	19 BN	20 VT	21 TQ	22 NT	23 OG	24 PK

Tube colour code (double layer: Layer 1: 1 ... 9; layer 2: 10 ... 24)

1 RD	2 GN	3 BU	4 YE	5 WH	6 GY	7 BN	8 VT	9 TQ	10 RD	11 GN	12 BU
13 YE	14 WH	15 GY	16 BN	17 VT	18 TQ	19 BK	20 OG	21 PK	22 YE	23 YE	24 YE

Modification of properties, colour codes and cable labelling on request

Subject to change without prior notice