

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.652.D, G.657**

Product description

- Cable for outdoor applications, blown into microducts
- 12 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

A-DQ(ZN)2Y				
<i>Fibre count</i>	2 ... 60	2...72	96	144
<i>Tube count / Filler</i>	1...5 / 4...0	2...6 / 4...0	8 / -	12 / -
<i>Fibres per tube</i>	12	12	12	12
<i>Tube diameter</i> (mm)	1.4	1.4	1.4	1.4
<i>FRP-Ø / Coating-Ø</i> (mm)	1.2	1.5 / -	2.4 / -	3.0 / 4.2
<i>Cable diameter</i> (mm)	4.6	5.3	6.2	8.0
<i>Outer sheath thickness</i> (mm)	0.3	0.5	0.5	0.5
<i>Weight</i> (kg/km)	15	22	33	57
<i>Maximum tensile force</i> (N)	300	500	800	1100
<i>Crush resistance</i> (N/dm)	500	500	500	500
<i>Minimum bending radius</i>	20 x cable diameter			
<i>Temperature range</i>				
- Storage, transport (°C)	- 40 to + 70			
- Installation (°C)	- 5 to + 60			
- Operation (°C)	- 20 to + 70			
<i>Fire load</i> (MJ/m)	0.5	0.7	0.9	1.2
<i>Compliance</i>	IEC 60793 / 60794-5-10; ITU-T; VDE 0888			
<i>Microduct-Ø, interior</i> (mm)	≥ 6	≥ 8	≥ 8	≥ 10

All dimensions and weights are nominal values

Cable marking

Per metre:

<Metre marking> A-DQ(ZN)2Y <tube count>x12 <fibre type acc. to ITU-T> 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 |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|

## Tube 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 |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|

Modification of properties, colour codes and cable labelling on request