

A-DQ(ZN)(SR)2Y

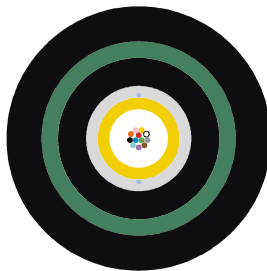
UDC10

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Outdoor cable with central loose tube, inner sheath and corrugated steel tape armouring



Design



- Optical fibres inside a gel-filled central loose tube
- Water swellable elements
- Strain bearing elements
- Ripcord (optional)
- Corrugated steel tape
- PE outer sheath

Optical fibre options

Singlemode fibre: **ITU-T G.652.D, G.655, G.657**

Multimode fibre: **ITU-T G.651: OM2, OM3, OM4 | 62.5µm: OM1**

Product description

- Cable for outdoor use in ducts and conduits or directly buried
- Up to 24 colour-coded optical fibres inside a gel-filled central loose tube
- Water swellable elements achieving longitudinal watertightness
- Glass yarns as strain bearing elements for excellent mechanical properties
- Optional ripcord for easy sheath removal
- Corrugated steel tape armouring to protect the cable against rodents and lateral pressure when directly buried
- Outer sheath made of black polyethylene, UV- and weather-resistant

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Characteristics




A-DQ(ZN)2Y(SR)2Y	
Fibre count	4, 6, 8, 12, 16, 24
Buffer tube diameter (mm)	3.5
Cable diameter (mm)	8.9
Outer sheath thickness (mm)	1.5
Weight (kg/km)	90
Maximum tensile strength	
- during installation (N)	1700
- in operation (N)	700
Crush resistance (N/dm)	2000
Minimum bending radius	
- with tensile load	15 x cable diameter
- without tensile load	10 x cable diameter
Temperature range	
- Storage, transport (°C)	- 30 to + 70
- Installation (°C)	- 5 to + 50
- Operation (°C)	- 20 to + 70
Fire load (MJ/m)	1.7
Compliance	IEC 60793 / 60794; ITU-T; VDE 0888
Maximum production length (m)	4000

All dimensions and weights are nominal values

Cable marking

Per metre:

<Metre marking> A-DQ(ZN)(SR)2Y 1x<fibre count> <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
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

Singlemode fibre	YE	Multimode fibre 50 µm	GN	Multimode fibre 62.5 µm	BU
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Modification of properties, colour codes and cable marking on request