

A-DQ(ZN)B2Y

A-DQ(ZN)B2Y^{Plus}

UDG10

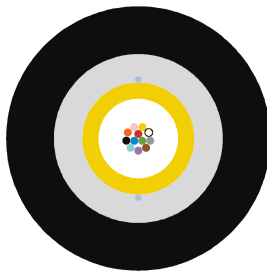
UDG10^{Plus}

1/2

Outdoor cable with central loose tube and non-metallic armouring



Design



- Optical fibres inside a gel-filled central loose tube
- Water swellable elements
- Armouring (glass yarns)
- Ripcord (optional)
- 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
- Up to 24 colour-coded optical fibres inside a gel-filled central loose tube
- Water swellable elements achieving longitudinal watertightness
- Glass yarns as non-metallic armouring; additionally increasing tensile strength
- Optional ripcord for easy sheath removal
- Outer sheath made of black polyethylene, UV- and weather-resistant

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Characteristics

	A-DQ(ZN)B2Y	A-DQ(ZN)B2Y ^{Plus}
<i>Fibre count</i>	4, 6, 8, 12	4, 6, 8, 12, 16, 24
<i>Buffer tube diameter</i> (mm)	2.8	3.5
<i>Cable diameter</i> (mm)	6.5	8.3
<i>Sheath thickness</i> (mm)	1.2	1.5
<i>Weight</i> (kg/km)	40	60
<i>Maximum tensile strength</i>		
- during installation (N)	1500	3000
- in operation (N)	600	1400
<i>Crush resistance</i> (N/dm)	1500	2000
<i>Minimum bending radius</i>		
- with tensile load	15 x cable diameter	
- without tensile load	10 x cable diameter	
<i>Temperature range</i>		
- Storage, transport (°C)	- 30 to + 70	
- Installation (°C)	- 5 to + 50	
- Operation (°C)	- 20 to + 70	
<i>Fire load</i> (MJ/m)	1.0	1.6
<i>Compliance</i>	IEC 60793 / 60794; ITU-T; VDE 0888	
<i>Maximum production length</i> (m)	8000	

All dimensions and weights are nominal values

Cable marking

Per metre:

<Metre marking> A-DQ(ZN)B2Y 1x<fibre count> <fibre type acc. to ITU-T> <maximum tensile load> 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