

A-DQ(ZN)(SR)2Y

XDC10

1/2

Outdoor cable with stranded loose tubes and corrugated steel armouring



Design



- Central strength element (FRP), up-jacketed if needed
- Optical fibres inside gel-filled loose tube
- Filler if needed
- Water swellable elements
- Strain bearing elements
- Ripcord if needed
- 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 12 colour-coded optical fibres per tube inside up to 24 gel-filled loose tubes
- Water swellable elements achieving longitudinal watertightness
- Glass yarns as strain bearing elements for excellent mechanical properties
- A ripcord for easy sheath removal if needed
- 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)(SR)2Y										
<i>Fibre count</i>	24	24	36	48	60	72	96	144	192	288
<i>Tube count, Layer 1 / Layer 2</i>	4 / -	2 / -	3 / -	4 / -	5 / -	6 / -	8 / -	12 / -	5 / 11	9 / 15
<i>Fibres per tube</i>	6	12	12	12	12	12	12	12	12	12
<i>Filler</i>	1	3	2	1	-	-	-	-	2	-
<i>Tube diameter</i> (mm)	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
<i>Cable diameter</i> (mm)	10.3	11.1	11.1	11.1	11.1	11.6	13.0	16.1	16.4	18.5
<i>Sheath thickness</i> (mm)	1.5									
<i>Weight</i> (kg/km)	110	120	120	120	120	140	170	245	245	305
<i>Maximum tensile force</i>										
- during installation (N)	1700	2000	2000	2000	2000	2200	2800	3300	3600	4300
- in operation (N)	1100	1200	1200	1200	1200	1400	1800	2100	2300	2700
<i>Crush resistance</i> (N/dm)	3500									
<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)	- 40 to + 70									
- Installation (°C)	- 5 to + 50									
- Operation (°C)	- 30 to + 70									
<i>Fire load</i> (MJ/m)	2.3	2.6	2.6	2.6	2.6	2.9	3.5	4.7	5.8	7.1
<i>Compliance</i>	IEC 60793 / 60794; ITU-T; VDE 0888									
<i>Maximum production length</i> (m)	4000									

Alle Abmessungen und Gewichte sind Nominalwerte

Cable marking

Per metre:

<Metre marking> A-DQ(ZN)(SR)2Y <tube count>x<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
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Tube colour code (for single layer cables)

1 RD	2 GN	3 BU	4 YE	5 WH	6 GY	7 BN	8 VT	9 TQ	10 BK	11 OG	12 PK
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Tube colour code (for two-layer cables: 1 layer: 1...9; 2 layer: 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 marking on request

Subject to change without prior notice