

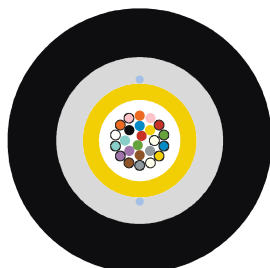
U-DQ(ZN)BH**E_{ca}****UDG50****E_{ca}**

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Indoor / outdoor cable with central loose tube and non-metallic armouring,
halogen-free and flame retardant outer sheath



Design



- Optical fibres inside a gel-filled central loose tube
- Water swellable elements
- Armouring (glass yarns)
- Halogen-free and flame retardant 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 indoor and outdoor use in ducts and conduits; flammability classification acc. to EN 50575: E_{ca}
- 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
- Outer sheath made of black halogen-free and flame retardant polymeric material

U-DQ(ZN)BH

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Characteristics

U-DQ(ZN)BH E _{ca}	
DoP 100	
Fibre count	4, 6, 8, 12, 16, 24
Buffer tube diameter (mm)	2.8
Cable diameter (mm)	6.5
Sheath thickness (mm)	1.2
Weight (kg/km)	50
Maximum tensile strength	
- during installation (N)	1500
- in operation (N)	600
Crush resistance (N/dm)	1500
Minimum bending radius	
- with tensile load	15 x cable diameter
- without tensile load	10 x cable diameter
Temperature range	
- Storage, transport (°C)	- 20 to + 70
- Installation (°C)	- 5 to + 50
- Operation (°C)	- 20 to + 70
flammability classification (EN 50575)	E _{ca}
Compliance	
- General	IEC 60793 / 60794; ITU-T; VDE 0888
Maximum production length (m)	8000

All dimensions and weights are nominal values

Cable marking

Per metre:

<Metre marking> U-DQ(ZN)BH 1x<fibre count> <fibre type acc. to ITU-T> 1500N RHENANIA <cable-ID>

~ ~ ~  ~ ~ ~ Eca DoP 100

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