

UD500

VDE Code: A/I-DQ(ZN)H

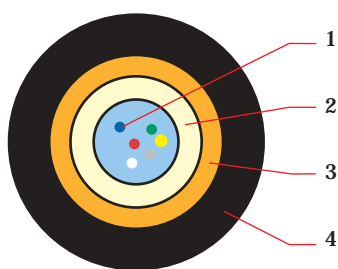


Unitube indoor/outdoor fibre optic cable

Applications and features

Universal cable for indoor and outdoor use in ducts or on cable trays.

- HLFRR (halogen-free, flame-retardant) sheath
- Non-metallic
- Longitudinally water blocked
- Central loose tube, fully filled with thixotropic water-blocking gel
- Easy to handle



Design

1. Optical fibres
2. Central, gel-filled tube
3. Tensile elements
4. Black HLFRR sheath

Product description

The colour-coded fibres are contained in a central loose tube filled with a thixotropic gel. Tensile elements are placed uniformly around the tube to give the cable excellent mechanical strength. We use our own proprietary low water-absorption HLFRR (halogen-free, flame-retardant) sheath compound and this, plus the water-swelling elements, ensures that this cable can be used in external environments, including flooded ducts, as well as meeting the indoor fire-safety standards.



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Mechanical Specifications

UD500		
Number of fibres (*)	from 2 to 12	16, 24
Tube diameter (mm)	3.5	
Cable diameter, approx. (mm)	8	
Outer sheath thickness (mm)	1.5	
Weight, approx. (kg per km)	65	
Max. pulling force during		
- installation (N)	1.500	
- operation (N)	1.000	
Crush resistance (N/10cm)	2.000	
Min. bending radius		
- with tensile load	20 x cable diameter	
- without tensile load	15 x cable diameter	
Temperature range		
- operation	- 20°C to + 60°C	- 10°C to + 60°C
- storage	- 30°C to + 70°C	- 20°C to + 70°C
Tested according to	IEC 60794-1	
Flame-retardant according to	IEC 60332-1 & 60332-3-24	
Halogen-free according to	IEC 60754-2	
Low-smoke according to	IEC 61034-1/2	

(*) other fibre numbers by request

Marking

"EUPEN + Product code + Fibre number/type + metric marking"

Lengths

Standard lengths: 1.000 m, 2.000 m or 4.000 m, +/- 2%
Engineered lengths: by request

