

UD500

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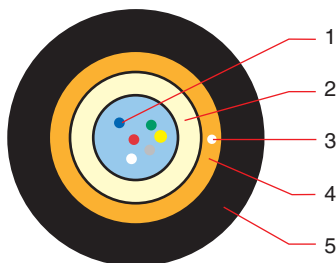
DIN: A/I-DQ(ZN)H



Unitube, indoor/outdoor fibre optic cable

Applications

Indoor/outdoor fibre optic cable for ducts and trays applications



Design

1. optical fibres
2. central tube, jelly filled
3. ripcord (optional)
4. tensile strength elements
5. halogen-free, flame-retardant outer sheath

Product description

The colour-coded optical fibres are located in a central loose tube filled with a thixotropic gel.

The glass tensile strength elements provide the cable with excellent mechanical strength characteristics. The black halogen-free, flame-retardant outer sheath is suitable for indoor and outdoor applications.

The cable is longitudinally water-tight and meets the following standards:

- flame propagation test:
IEC 60332-1, EN 60332-1
IEC 60332-3-24, EN 50266-2-4
- smoke test (smoke density):
IEC 61034-1/2, EN 61034-1/2
- corrosive gases test:
IEC 60754-2, EN 50267-2-3



UD500

Technical data

UD500 (A/I-DQ(ZN)H)		
Fibre count (*)		4, 6, 8, 12
Central tube diameter	(mm)	2,8
Cable diameter (approx.)	(mm)	6
Outer sheath thickness	(mm)	1,2
Linear weight (approx.)	(kg per km)	40
Max. tensile strength (**)		
- short term (installation)	(N)	800
- long term (operation)	(N)	500
Crush resistance	(N/10cm)	800
Bending radius (minimum)		
- under load		15 x cable diameter
- without load		10 x cable diameter
Temperature range		
- storage	(°C)	- 20 to + 70
- installation	(°C)	- 5 to + 50
- operation	(°C)	- 20 to + 70
Calorific potential	(MJ)	0,7
Tested according to		IEC 60794-1

(*) other fibre counts are available on request

(**) higher tensile strength is available on request

Marking

"EUPEN + fibre count/fibre type + meter marking"

Standard manufacturing length:

8.000 m, +/- 2%