

## UDG50

DIN: A/I-DQ(ZN)BH

## UDG50<sup>Plus</sup>

DIN: A/I-DQ(ZN)BH<sup>Plus</sup>

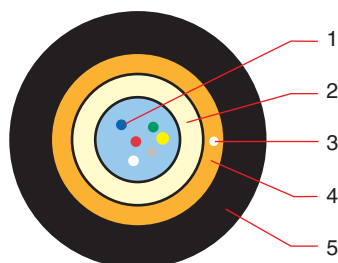
1/2



### Unitube, indoor/outdoor, non-metallic armour 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. glass yarns armoring
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 and non-metallic armoring. 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



# UDG50

# UDG50<sup>Plus</sup>

## Technical data

		<b>UDG50</b> (A/I-DQ(ZN)BH)	<b>UDG50<sup>Plus</sup></b> (A/I-DQ(ZN)BH <sup>Plus</sup> )
Fibre count (*)		4, 6, 8, 12	4, 6, 8, 12, 24
Central tube diameter	(mm)	2,8	3,5
Cable diameter (approx.)	(mm)	7	9
Outer sheath thickness	(mm)	1,2	1,5
Linear weight (approx.)	(kg per km)	50	80
Max. tensile strength (**)			
- short term (installation)	(N)	1.500	3.000
- long term (operation)	(N)	1000	2.000
Crush resistance	(N/10cm)	1.500	2.000
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)	0,8	1,1
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%