

UD1C1

1/2

VDE Code: A-DQ(ZN)2Y(SR)2Y

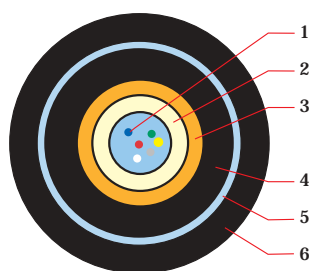


Non-metallic outdoor fibre optic cable, rodent resistant

Applications and features

Outdoor cable with corrugated steel tape armour for direct burial and rodent protection

- Longitudinally water blocked
- Central loose tube, fully filled with thixotropic water-blocking gel



Design

1. Optical fibres
2. Central, gel-filled tube
3. Tensile elements
4. PE inner sheath
5. Corrugated steel tape
6. PE outer 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.

The corrugated steel tape armour, placed between the inner and the outer sheath, protects the fibres from rodent attack and high compression forces.

If required the PE outer sheath can be replaced by an HLF (halogen-free, flame-retardant) sheath.



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Mechanical Specifications

UD1C1		from 2 to 24
Number of fibres		from 2 to 24
Tube diameter	(mm)	3.5
Cable diameter, approx.	(mm)	12.5
Inner sheath thickness	(mm)	1.5
Corrugated steel tape	(mm)	0.15
Outer sheath thickness	(mm)	1.5
Weight, approx.	(kg per km)	125
Max. pulling force during (*)		
- installation	(N)	1.600
- operation	(N)	1.000
Crush resistance	(N/10cm)	3.000
Min. bending radius		
- with tensile load		25 x cable diameter
- without tensile load		20 x cable diameter
Temperature range		
- operation		- 20°C to + 60°C
- storage		- 30°C to + 70°C
Tested according to		IEC 60794-1

(*) higher pulling force by request

Marking

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

Lengths

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

