

XDC10

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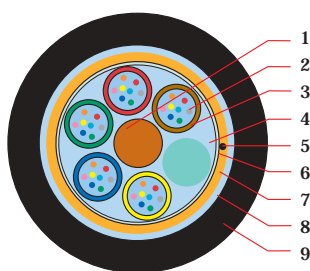
VDE Code: A-DQ(ZN)(SR)2Y



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 with swelling elements
 - Loose tube, fully filled with thixotropic water-blocking gel



Design

1. FRP central strength element
2. Optical fibres
3. Gel-filled tube
4. Filler
5. Rip cords
6. Wrapping tape
7. Tensile elements
8. Corrugated steel tape
9. PE outer sheath

Product description

This armoured outdoor cable contains from 5 to 12 loose tubes, stranded around a fibre-reinforced plastic (FRP) central element. If the fibres occupy fewer than 5 tubes the remaining positions are taken by fillers. Each tube contains up to 12 fibres in a special thixotropic water-blocking gel. Tubes and fibres are identified by a colour code.

The swelling elements ensure the longitudinal water blocking. The corrugated steel tape armour protects the fibres from rodent attack and high compression forces.



XDC10

Mechanical Specifications

XDC10						
Number of fibres (*)	up to 36	up to 60	72	96	120	144
Number of tubes	6	5	6	8	10	12
Fibre per tubes (max.)	6	12	12	12	12	12
Tube diameter (mm)	2.1	2.8	2.8	2.8	2.8	2.8
Cable diameter, approx. (mm)	12.5	14	14.5	16.5	18	20
Outer sheath thickness (mm)	1.5					
Weight, approx. (kg per km)	115	140	160	195	240	290
Max. pulling force during (**)						
- installation (N)	3.000	3.000	4.000	5.000	6.000	6.500
- operation (N)	2.000	2.000	2.500	3.000	4.000	4.000
Crush resistance (N/10cm)	4.000					
Min. bending radius						
- with tensile load	25 x cable diameter					
- without tensile load	20 x cable diameter					
Temperature range						
- operation	- 30°C to + 60°C					
- storage	- 40°C to + 70°C					
Tested according to	IEC 60794-1					

(*) other fibre numbers by request
(**) 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

