

LANmark-OF UD PE

- UD optical fibre cables
- Suitable for outdoor in ducts or direct burial
- Full dielectric armour
- Available in all fibre grades and till 24 fibres
- Rodent resistance

Beschrijving

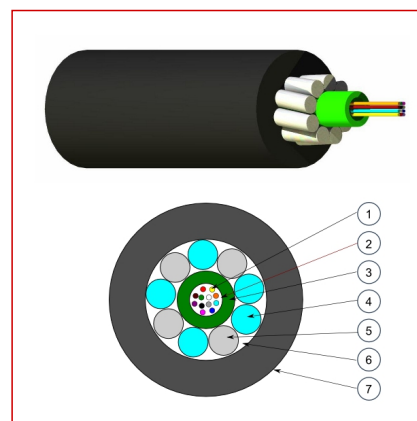
Description and Application

The LANmark-OF UD PE cable is designed as a campus cable. It can be pulled in a duct outside or can be direct buried. Its full dielectric armouring does not provide an electrical path and hence the cable can be used to connect 2 buildings.

The central loose tube is surrounded by robust strength elements: Fibre Reinforced Plastic (FRP) elements. These FRP provide the cable with a high rodent resistant and a high resistant against impacts and compression. There are 4 x FRP and 5 x fillers for fibre counts 4-12. For 14-24 fibres there are 5 X FRP and 5 X fillers.

The loose tube design has a capacity of up to 24 fibres. Diameter of the fibres is 250 um. Termination of these fibres is done with splicing of pigtailed.

The cable is watertight due to the gel in the loose tube and the watertight glass yarns.



LANmark-OF

Normen

Internationaal ISO/IEC 11801

Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250 um)
2. Gel
3. Loose tube
4. Fillers
5. Fibre Reinforced Plastic strength elements
6. Reinforced watertight glass yarns
7. PE outer jacket with UV resistant additive



Installatietemperatuur, van/tot
0 .. 40 °C



Bedrijfstemperatuur, bereik
-30 .. 60 °C



Storage temperature, range
-40 .. 70 °C

LANmark-OF UD PE

Characteristics

- Outdoor cable for installation in a duct or direct burial
- Designed for termination by splicing
- Central loose tube design
- All dielectric design with FRP reinforcement and glass yarns
- Waterproof structure, rodent resistant and UV-resistant
- Available in all fibre grades
- Available from 4-24 fibres
- Excellent friction properties

Karakteristieken

Gebruik

Installatietemperatuur, van/tot	0 .. 40 °C
Bedrijfstemperatuur, bereik	-30 .. 60 °C
Storage temperature, range	-40 .. 70 °C

Mechanical and Dimensional Characteristics for LANmark-OF UD PE

Nb optical fibres	Nom. outer diam. [mm]	Benad. gewicht [kg/km]	Min. dynamic operating bending rad. [mm]	Static bending rad. [mm]	Crush resistance (IEC 60794-1-E3) [N/cm]	Mechanische weerstand	Maximum pulling force (IEC 60794-1-2-E1) [N]	Maximum operating pulling force [N]
4	8,1	50	205,0	160	300	100 impacts of 3 N.m	1150	560
6	8,1	50	205,0	160	300	100 impacts of 3 N.m	1150	560
8	8,1	50	205,0	160	300	100 impacts of 3 N.m	1150	560
12	8,1	50	205,0	160	300	100 impacts of 3 N.m	1150	560
24	9,1	73	225,0	180	400	100 impacts of 5 N.m	1450	700

N-numbers for LANmark-OF UD PE

Nexans ref.	Naam
N164.681	LANmark-OF UD 4x Singlemode 9/125 OS2 PE Black
N164.682	LANmark-OF UD 6x Singlemode 9/125 OS2 PE Black



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LANmark-OF UD PE

Nexans ref.	Naam
N164.683	LANmark-OF UD 8x Singlemode 9/125 OS2 PE Black
N164.685	LANmark-OF UD 12x Singlemode 9/125 OS2 PE Black
N164.691	LANmark-OF UD 24x Singlemode 9/125 OS2 PE Black
N165.681	LANmark-OF UD 4x Multimode 50/125 OM3 PE Black
N165.682	LANmark-OF UD 6x Multimode 50/125 OM3 PE Black
N165.683	LANmark-OF UD 8x Multimode 50/125 OM3 PE Black
N165.685	LANmark-OF UD 12x Multimode 50/125 OM3 PE Black
N165.691	LANmark-OF UD 24x Multimode 50/125 OM3 PE Black
N167.681	LANmark-OF UD 4x Multimode 50/125 OM4 PE Black
N167.682	LANmark-OF UD 6x Multimode 50/125 OM4 PE Black
N167.683	LANmark-OF UD 8x Multimode 50/125 OM4 PE Black
N167.685	LANmark-OF UD 12x Multimode 50/125 OM4 PE Black
N167.691	LANmark-OF UD 24x Multimode 50/125 OM4 PE Black



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