Contact
LAN Systems (Nexans Cabling Solutions)
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LANmark-OF UC PE

Characteristics

Dimensional characteristics	
Nominal outer diameter	9.5 mm
Approximate weight	100 kg/km
Mechanical characteristics	
Mechanical resistance to impacts	100 impacts of 3 N.m
Maximum pulling force (IEC 60794-1-2-E1)	1500 N
Maximum operating pulling force	450 N
Crush resistance (IEC 60794-1-E3)	300 N/cm
Usage characteristics	
Minimum dynamic operating bending radius	200.0 mm
Minimum static operating bending radius	140 mm
Operating temperature, range	-20 .. 60 °C
Storage temperature, range	-30 .. 60 °C
Ambient installation temperature, range	0 .. 40 °C

N-numbers for LANmark-OF UC PE

Fiber optic type	Nexans ref.	Name
OM1 62.5/125	N160.181	LANmark-OF UC 4x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.182	LANmark-OF UC 6x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.183	LANmark-OF UC 8x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.185	LANmark-OF UC 12x Multimode 62,5/125 OM1 PE Black
OM1 62.5/125	N160.191	LANmark-OF UC 24x Multimode 62,5/125 OM1 PE Black
OM2 50/125	N162.181	LANmark-OF UC 4x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.182	LANmark-OF UC 6x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.183	LANmark-OF UC 8x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.185	LANmark-OF UC 12x Multimode 50/125 OM2 PE Black
OM2 50/125	N162.191	LANmark-OF UC 24x Multimode 50/125 OM2 PE Black
OM3 50/125	N165.181	LANmark-OF UC 4x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.182	LANmark-OF UC 6x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.183	LANmark-OF UC 8x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.185	LANmark-OF UC 12x Multimode 50/125 OM3 PE Black
OM3 50/125	N165.191	LANmark-OF UC 24x Multimode 50/125 OM3 PE Black
OM4 50/125	N167.181	LANmark-OF UC 4x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.182	LANmark-OF UC 6x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.183	LANmark-OF UC 8x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.185	LANmark-OF UC 12x Multimode 50/125 OM4 PE Black
OM4 50/125	N167.191	LANmark-OF UC 24x Multimode 50/125 OM4 PE Black
SM (G.652D)	N164.181	LANmark-OF UC 4x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.182	LANmark-OF UC 6x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.183	LANmark-OF UC 8x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.185	LANmark-OF UC 12x Singlemode 9/125 OS2 PE Black
SM (G.652D)	N164.191	LANmark-OF UC 24x Singlemode 9/125 OS2 PE Black

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LANmark-OF UC PE

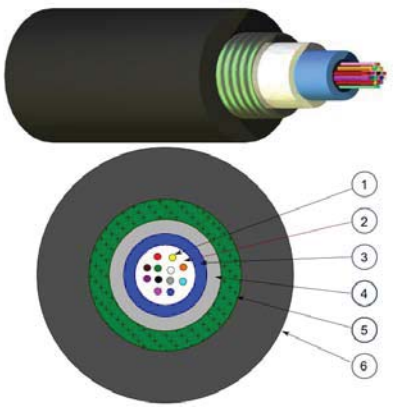
UC optical fibre cables

- Outdoor in ducts or direct burial
- Corrugated steel tape armour
- Available in all fibres grades
- Provides full rodent protection

Description

Description and Application

The construction is suitable for use outdoor in ducts and for direct burial. It consists of a corrugated steel tape armouring providing full rodent protection. It is surrounded by glass yarns. The cable has a HDPE outer jacket.
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 pigtails.
The cable is watertight due to the gel in the loose tube and the watertight glass yarns.



LANmark-OF

Construction

Legend accompanying the cross section drawing:

1. Optical fibres (250 um)
2. Gel
3. Loose tube
4. Reinforced watertight glass yarns
5. Corrugated steel tape armour
6. PE outer jacket with UV resistant additive

Standards

International ISO/IEC 11801

Characteristics

- Outdoor cable for installation in a duct or direct burial
- Designed for termination by splicing
- Central loose tube design
- Corrugated steel protection
- Waterproof structure, rodent resistant and UV-resistant
- Available in all fibre grades
- Available from 4-24 fibres

Mechanical resistance to impacts	Minimum dynamic operating bending radius	Minimum static operating bending radius	Operating temperature, range	Storage temperature, range	Ambient installation temperature, range
100 impacts of 3 N.m	200.0 mm	140 mm	-20 .. 60 °C	-30 .. 60 °C	0 .. 40 °C