

LANmark-OF UC Outdoor PE Cable

- Designed for termination by splicing
- Outdoor cable for installation in a duct or direct burial
- Up to 48 fibres
- Available in all fibre grades

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 48 fibres. Diameter of the fibres is 250 μm . Termination of these fibres is done with splicing of pigtailed. The cable is watertight due to the gel in the loose tube.

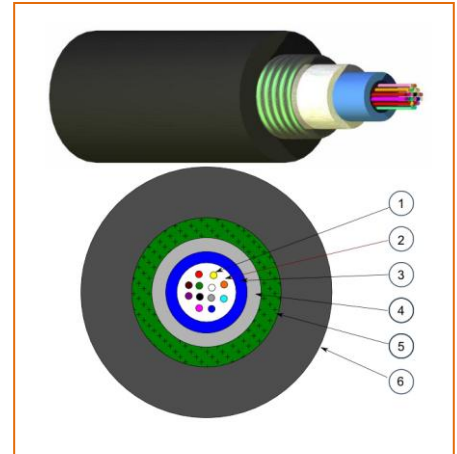
Construction

Legend accompanying the cross section drawing:

1. Optical fibre (250 μm)
2. Gel
3. Loose tube
4. Reinforced glass yarns
5. Corrugated steel tape armor
6. HDPE outer jacket

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 2-48 fibres



LANmark-OF

Standards

International ISO/IEC 11801



Mechanical resistance to impacts
100 impacts of 3 N.m



Ambient installation T°C
range
0 .. 40 °C



Storage temperature,
range
-40 .. 60 °C



Operating temp.
range
-20 .. 60 °C



Min. dynamic operating
bending rad.



static bending
rad.

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Characteristics

Number of optical fibres	2~48
Mechanical characteristics	
Mechanical resistance to impacts	IEC60794-1-E4
Crush resistance, long/short term	IEC 60794-1-E3
Maximum pulling force, long/ short term	IEC 60794-1-2-E1
Usage characteristics	
Flame retardant	IEC60332-1
Ambient installation temperature, range	0..40°C
Operating temperature, range	-20..60°C
Storage temperature, range	-40..60°C

Dimensions And Mechanical Characteristics						
Core Number	Nominal Cable Diameter mm	Approximate Weight kg/km	Max. Pulling force Long term/Short term N	Crush Resistance N/cm	Mechanical Resistance to impacts Times/3N.m	Min. Bending Radius Dynamic/Static mm
2	8.2	72	450/1500	300	100	164/120
4	8.2	72	450/1500	300	100	164/120
6	8.2	72	450/1500	300	100	164/120
8	8.2	72	450/1500	300	100	164/120
12	8.2	72	450/1500	300	100	164/120
24	9.2	82	450/1500	300	100	184/135



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Product list

Nexans ref.	Description	Fiber optic type
N170.180	LANmark-OF1 UC 2x Multimode 62,5/125 OM1 Loose tube, HDPE	OM1
N170.181	LANmark-OF1 UC 4x Multimode 62,5/125 OM1 Loose tube, HDPE	OM1
N170.182	LANmark-OF1 UC 6x Multimode 62,5/125 OM1 Loose tube, HDPE	OM1
N170.183	LANmark-OF1 UC 8x Multimode 62,5/125 OM1 Loose tube, HDPE	OM1
N170.185	LANmark-OF1 UC 12x Multimode 62,5/125 OM1 Loose tube, HDPE	OM1
N170.191	LANmark-OF1 UC 24x Multimode 62,5/125 OM1 Loose tube, HDPE	OM1
N172.180	LANmark-OF2 UC 2x Multimode 50/125 OM2 Loose tube, HDPE	OM2
N172.181	LANmark-OF2 UC 4x Multimode 50/125 OM2 Loose tube, HDPE	OM2
N172.182	LANmark-OF2 UC 6x Multimode 50/125 OM2 Loose tube, HDPE	OM2
N172.183	LANmark-OF2 UC 8x Multimode 50/125 OM2 Loose tube, HDPE	OM2
N172.185	LANmark-OF2 UC 12x Multimode 50/125 OM2 Loose tube, HDPE	OM2
N172.191	LANmark-OF2 UC 24x Multimode 50/125 OM2 Loose tube, HDPE	OM2
N175.180	LANmark-OF3 UC 2x Multimode 50/125 OM3 Loose tube, HDPE	OM3
N175.181	LANmark-OF3 UC 4x Multimode 50/125 OM3 Loose tube, HDPE	OM3
N175.182	LANmark-OF3 UC 6x Multimode 50/125 OM3 Loose tube, HDPE	OM3
N175.183	LANmark-OF3 UC 8x Multimode 50/125 OM3 Loose tube, HDPE	OM3
N175.185	LANmark-OF3 UC 12x Multimode 50/125 OM3 Loose tube, HDPE	OM3
N175.191	LANmark-OF3 UC 24x Multimode 50/125 OM3 Loose tube, HDPE	OM3
N177.180	LANmark-OF4 UC 2x Multimode 50/125 OM4 Loose tube, HDPE	OM4
N177.181	LANmark-OF4 UC 4x Multimode 50/125 OM4 Loose tube, HDPE	OM4
N177.182	LANmark-OF4 UC 6x Multimode 50/125 OM4 Loose tube, HDPE	OM4
N177.183	LANmark-OF4 UC 8x Multimode 50/125 OM4 Loose tube, HDPE	OM4
N177.185	LANmark-OF4 UC 12x Multimode 50/125 OM4 Loose tube, HDPE	OM4
N177.191	LANmark-OF4 UC 24x Multimode 50/125 OM4 Loose tube, HDPE	OM4
N174.180	LANmark-OFsm UC 2x Singlemode 9/125 OS2 Loose tube, HDPE	OS2 G.652.D
N174.181	LANmark-OFsm UC 4x Singlemode 9/125 OS2 Loose tube, HDPE	OS2 G.652.D
N174.182	LANmark-OFsm UC 6x Singlemode 9/125 OS2 Loose tube, HDPE	OS2 G.652.D
N174.183	LANmark-OFsm UC 8x Singlemode 9/125 OS2 Loose tube, HDPE	OS2 G.652.D
N174.185	LANmark-OFsm UC 12x Singlemode 9/125 OS2 Loose tube, HDPE	OS2 G.652.D
N174.191	LANmark-OFsm UC 24x Singlemode 9/125 OS2 Loose tube, HDPE	OS2 G.652.D



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