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LANmark-OF MC PE

LANmark-OF MC 24x Singlemode 9/125 OS2 PE Black

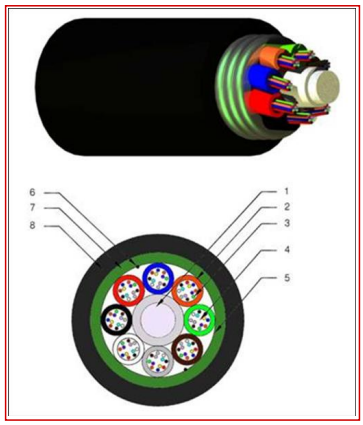
Nexans ref.: N164.MCPE24B

- Multitube outdoor cable for direct burial
- Corrugated steel tape armour
- Available singlemode
- Provides full rodent protection

Description

Description and Application

The construction is suitable for use outdoor for direct burial. It consists of a multitube structure protected by corrugated steel tape armouring. This provides excellent rodent protection and high crush resistance. The cable has a HDPE outer jacket.
The multi tube design has a capacity of up to 144 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 water swellable yarns.



LANmark-OF

Standards

International ISO/IEC 11801

Construction

Legend accompanying the cross section drawing:

1. Central strength element
2. Loose Tube
3. 250 um optical fibers
4. Gel
5. Water swellable yarns
6. Ripcords
7. Corrugated steel armour
8. PE outer jacket

Characteristics

- Outdoor cable for direct burial
- Designed for termination by splicing
- Multitube cable around central strength element
- Corrugated steel protection
- Waterproof structure
- Excellent rodent protection
- PE outer sheath
- High crush resistance
- Available in singlemode
- Available in 24-144 fibres

Mechanical resistance to impacts	Min. dynamic operating bending rad.	static bending rad.	Storage temperature, range	Operating temp. range	Ambient installation T°C range
10 impacts of 3 N.m	230.0 mm	175 mm	-30 .. 70 °C	-30 .. 70 °C	0 .. 40 °C

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Characteristics

Construction characteristics	
Fiber optic type	SM (G.652D)
Dimensional characteristics	
Number of optical fibres	24
Nominal outer diameter	11.5 mm
Approximate weight	142 kg/km
Mechanical characteristics	
Mechanical resistance to impacts	10 impacts of 3 N.m
Crush resistance (IEC 60794-1-E3)	300 N/cm
Maximum operating pulling force	1250 N
Maximum pulling force (IEC 60794-1-2-E1)	2400 N
Usage characteristics	
Minimum dynamic operating bending radius	230.0 mm
Minimum static operating bending radius	175 mm
Storage temperature, range	-30 .. 70 °C
Operating temperature, range	-30 .. 70 °C
Ambient installation temperature, range	0 .. 40 °C


Mechanical resistance to impacts
10 impacts of 3 N.m

Min. dynamic operating bending rad.
230.0 mm

static bending rad.
175 mm


Storage temperature, range
-30 .. 70 °C


Operating temp. range
-30 .. 70 °C


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