

FZOMSU-SD 1,6 FIN2012

FZOMSU-SD 1.6 1x6xSML G657A1

Nexans Ref.: 29450098

Country Ref.: 0235156

EAN 13: 7330000119277

Type FZOMSU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

DESCRIPTION

FZOMSU-SD 1.6 is a loose tube fibre optical cable and intended for indoor and outdoor use in ducts. The design can incorporate 4-96 fibres in loose tubes. The individually coloured fibres are tubes in groups of 4, 6, 8 or 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable yarn. The cable has an outer sheath of halogen free and flame retardant material. FZOMSU-SD meets the requirements for CPR D_{cas2d2a2}. The cable emits no corrosive gases and has low smoke production during fire.



DECLARATION OF PERFORMANCE

D_{ca-s2,d2,a2}

STANDARDS

International EN 60754-2;
EN 61034; IEC 60793;
IEC 60794; IEC 60794-1; ITU-T G. 657



Halogen free
Yes



Operating temp.
-45 ... 70 °C



Ambient installation T°C range
-15 ... 60 °C



Storage temperature, range
-45 ... 70 °C



Bending factor installed
10 (xD)



Dynamic bending factor
15 (xD)

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CHARACTERISTICS

Construction characteristics

| | |
|--|--------------------------------------|
| Construction type | Loose tube, SZ |
| Strength member | Central FRP |
| Fiber optic type | SM (G657.A1) |
| Material used for longitudinal water tightness | Swellable yarn |
| Outer sheath | HFFR (Halogene Free Flame Retardant) |
| Sheath colour | Orange |
| Halogen free | Yes |
| Metal free | Yes |
| Dielectric | Yes |
| Length water tightness Tube | Jelly |
| Number of tube layer 1 | 6 |

Dimensional characteristics

| | |
|---------------------------------|-----------|
| Number of optical fibres | 6 |
| Nominal outer diameter | 7.3 mm |
| Number of optical fibres, range | 6 ... 288 |
| Nominal outer sheath thickness | 1.2 mm |
| Approximate weight | 53 kg/m |
| Central strength member size | 1.7 mm |
| Diameter over assembly | 5.0 mm |
| Max. number of fibres per tube | 6 |
| Tube diameter | 1.6 mm |

Mechanical characteristics

| | |
|---------------------------------|---------|
| Crush resistance (EN 187 000) | 0.5 kN |
| Impact resistance (EN 187 000) | 5 J |
| Maximum permanent tensile load | 0.25 kN |
| Maximum pulling force by laying | 0.6 kN |

Usage characteristics

| | |
|---|----------------|
| Installation type | Indoor/Outdoor |
| Operating temperature, range | -45 ... 70 °C |
| Ambient installation temperature, range | -15 ... 60 °C |
| Storage temperature, range | -45 ... 70 °C |
| Bending factor when installed | 10 (xD) |
| Dynamic bending factor | 15 (xD) |