

# FZOMSU-SD 2.25 FIN2012

FZOMSU-SD 2.25 1x4xSML G652D + 1x8xGKL OM1

Nexans Ref.: 29454798

EAN 13: 7330000119864

Type FZOMSU-SD 2.25 is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

## DESCRIPTION

FZOMSU-SD 2.25 is a loose tube fibre optical cable and intended for indoor and outdoor use in ducts. The design can incorporate 6-288 fibres in loose tubes. The individually coloured fibres are tubes in groups of 6 or 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable tape. The cable has an outer sheath of orange halogen free and flame retardant material. FZOMSU-SD 2.25 meets the requirements for CPR E<sub>ca</sub>. The cable emits no corrosive gases and has low smoke production during fire.



# Lifemark™

## DECLARATION OF PERFORMANCE

E<sub>ca</sub>



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 (G.652)+MM 62,5/125
Type of secondary protection	Loose tube
Material used for longitudinal water tightness	Swellable tape
Outer sheath	LSZH
Sheath colour	Orange
Halogen free	Yes
Metal free	Yes
Length water tightness Tube	Jelly
Number of tube layer 1	6
Number of tube layer 2	0

### Dimensional characteristics

Number of optical fibres	12
Nominal outer diameter	10.4 mm
Number of optical fibres, range	6 - 288
Nominal outer sheath thickness	1.5 mm
Approximate weight	100 kg/m
Central strength member size	2.4 mm
Diameter over assembly	7.4 mm
Max. number of fibres per tube	-
Tube diameter	2.25 mm

### Mechanical characteristics

Crush resistance (EN 187 000)	2 kN
Impact resistance (EN 187 000)	20 J
Maximum permanent tensile load	1 kN
Maximum pulling force by laying	2 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)