

FZOMSU-SD 2.25 FIN2012

FZOMSU-SD 2.25 1x12xSML G652D + 1x12xGKL OM1

Contact

Telecom and Data cables
Phone: 040 70 78 444
telecomcable-pc.se@nexans.com

Nexans ref.: [29454898](#)

Country ref.: 0235740

GTIN: 7330000141353

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_{ca}. The cable emits no corrosive gases and has low smoke production during fire.



Lifemark™

DECLARATION OF PERFORMANCE

Reaction to fire: E_{ca}
according to EN50575:2014
+A1:2016

STANDARDS

International EN 60754-2;
EN 61034; IEC 60793;
IEC 60794; IEC 60794-1; ITU-
T Rec. G.652



Reaction to fire
E_{ca}



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
Number of tube layer 2	0
Number of tube layer 1	6
Length water tightness Tube	Jelly

Dimensional characteristics

Number of optical fibres	24
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
Tube diameter	2.25 mm
Central strength member size	2.4 mm
Diameter over assembly	7.4 mm
Max. number of fibres per tube	12

Mechanical characteristics

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

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)