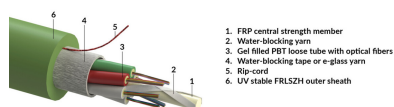


Stranded loose tube cable, universal-use, no armour, FRLSZH sheath - green, Eca, 12x12-fibers G657.A1



- 1. FRP central strength member
- 2. Water-blocking yarn
- 3. Gel filled PBT loose tube with optical fibers
- 4. Water-blocking tape or e-glass yarn
- 5. Rip-cord
- 6. UV stable FRLSZH outer sheath

030.6399.B.1 / similar product

DESCRIPTION

Rodent-protected, non-metallic stranded loose tube cable with up to 144 fibers in a 12-strand stranding, for indoor or outdoor installation.

TECHNICAL DATA

DESCRIPTION	VALUE/VALUE RANGE
Cable type	Stranded loose tube cable
Jacket material	UV stable FRLSZH
CPR classification	Eca
Armour	Rodent protection
Fiber type	G.657.A1
Fiber Count	144
Application	universal-use
Cable family code	UT3x1,7F
DIN/VDE Code	U-DQ(ZN)H nx1,7
DoP no.:	D9014
Loose-tube count	12
Fiber count per tube	12
Loose tube nominal diameter [mm]	1.7 mm
Loose-tube colour coding	1.red, 2.green - on each layer, rest of tubes white (fillers uncoloured or black)
FRP/coat. CSM nominal thickness [mm]	2.5 / 5.0
Outer jacket nominal thickness [mm]	1.2 mm
Cable outer diameter [mm]	11.7 mm
Cable version	n.a
Standard put-up length on drum	2100 m ± 5%
Halogen free, acid gases	Pass

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MECHANICAL DATA

DESCRIPTION	VALUE/VALUE RANGE
Cable weight	130.0 kg/km / 87 lbs/1000ft
Tensile performance - in service	800 N
Tensile performance - in service test method	IEC 60794-1-21:E1
Tensile performance - in service acceptance criteria	$\Delta\alpha \leq 0,05$ dB
Tensile performance - during installation	2000 N
Tensile performance - during installation acceptance criteria	$\Delta\alpha \leq 0,05$ dB after test
Crush resistance - long term	1000 N/100mm
Crush resistance - long term test method	IEC 60794-1-21:E3A
Crush resistance - long term acceptance criteria	$\Delta\alpha \leq 0,05$ dB prior release, no damage
Impact resistance	10 Nm, 3 impacts, d=20 mm, R=300 mm
Impact resistance test method	IEC 60794-1-21:E4
Impact resistance acceptance criteria	$\Delta\alpha \leq 0,05$ dB after test, no damage
Torsion	L = 1 m, rotation angle $\pm 180^\circ$, 10 cycles
Torsion test method	IEC 60794-1-21:E7
Torsion acceptance criteria	no damage
Cable bend	d=20 x cable diameter, 4 turns, 3 cycles
Cable bend - test method	IEC 60794-1-21:E11A
Cable bend - acceptance criteria	$\Delta\alpha \leq 0,05$ dB after release, no damage
Repeated bending	R=20 x cable diameter, 25 cycles
Repeated bending test method	IEC 60794-1-21:E6
Repeated bending acceptance criteria	no damage

CLIMATIC DATA

DESCRIPTION	VALUE/VALUE RANGE
Temperature cycling	-40 °C +70 °C / -40 °F +158 °F
Installation temperature	-5 °C +50 °C / +23 °F +122 °F
Operation temperature	-40 °C to +70 °C / -40 °F to +158 °F

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DESCRIPTION	VALUE/VALUE RANGE
Transport / store temperature	-40 °C to +70 °C / -40 °F to +158 °F