

Stranded loose tube cable, universal-use, no armour, FRLSZH sheath - green, Eca, 04x12-fi-

GENERAL DESCRIPTION

Rodent-protected, non-metallic stranded loose tube cable with up to 72 fibres in a 6-strand stranding, for indoor or outdoor installation.

PRODUCT-NO	PRODUCT CODE
R856273	SLT-D06x1.7-QEKNS-N1H_U-SENF-04x12-M3-gn
CABLE TYPE	CABLE VERSION
Cable Application	DIN/VDE Code
UNIVERSAL-USE	J/A-DQ(ZN)H NX1,7
CPR classification	DoP no.:
ECA	D9020

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber count	48
Loose-tube count	4
Loose tube nominal diameter	1.7
FRP/coat. CSM nominal thickness (mm)	1.7
Outer jacket nominal thickness	1.2
Cable outer diameter	7.8
Cable informative weight	70.0 kg/km / 47 lbs/1000ft
Standard put-up length on drum	2100 m ± 5%
Outer jacket material	UV stable FRLSZH
Loose-tube colour coding	1.red, 2.green - on each layer, rest of tubes white (fillers uncoloured or black)
Jacket colour	green
Sheath marking	Ink-Jet, black
Fiber Color Code (IEC 60304)	1.-12.: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink

MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	IEC 60794-1-21:E1	800 N	$\Delta\alpha \leq 0,05$ dB
Tensile performance - during installtion		2000 N	$\Delta\alpha \leq 0,05$ dB after test
Crush resistance - long term	IEC 60794-1-21:E3A	1000 N/100mm	$\Delta\alpha \leq 0,05$ dB prior release, no damage
Crush resistance - short term	IEC 60794-1-21:E3A	2000 N/100mm	$\Delta\alpha \leq 0,05$ dB after release, no damage
Impact resistance	IEC 60794-1-21:E4	10 Nm, 3 impacts, d=20 mm, R=300 mm	$\Delta\alpha \leq 0,05$ dB after test, no damage
Torsion	IEC 60794-1-21:E7	L = 1 m, rotation angle $\pm 180^\circ$, 10 cycles	no damage

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DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Cable bend - no tension	IEC 60794-1-21:E11A	d=20 x cable diameter, 4 turns, 3 cycles	$\Delta\alpha \leq 0,05$ dB after test, no damage
Repeated bending	IEC 60794-1-21:E6	R=20 x cable diameter, 25 cycles	no damage

CLIMATICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Temperature cycling	IEC 60794-1-22:F1	-40 °C +70 °C / -40 °F +158 °F	$\Delta\alpha \leq 0,05$ dB
Temperature range - in service		-40 °C to +70 °C / -40 °F to +158 °F	
Temperature range - during installation		-5 °C +50 °C / +23 °F +122 °F	
Temperature range - in storage & transport		-40 °C to +70 °C / -40 °F to +158 °F	
Moisture resistance	IEC 60794-1-22 F5B	L = 3 m, 1 m water height, 24 h	no water leakage

FIRE PROPERTIES

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE
Flammability - vertical cable bundle	EN 60332-3-22 (cat. A)	Pass
Smoke density	EN 61034-1, EN 61034-2	Pass
Halogen free, acid gases	EN 60754-2	Pass
Euro classification to CPR	EN 50575, EN 13501-6	Eca

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