

Product updated on May 08, 2018

Single Loose Tube with Steel Tape Armour Fibre Optic Cable CPR



Single Loose tube (SLT) Steel Tape Armour (STA) with E-Glass, 2 to 24 fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D, G.657A1) single mode 250 µm single loose tube metallic armoured internal/external rodent resistant duct and direct burial cables with E-glass strength members, and Low Smoke Zero Halogen (LSZH) jacket. The single loose tube cables consists of 2 to 24, 250 µm optical fibres in a single gel filled loose tube with longitudinally applied waterblocking E-glass non metallic strength members, Corrugated Steel Tape (CST) armouring and LSZH jacket. Euroclass Cca-s1a,d1,a1.

FEATURES/BENEFITS

- Choice of fibre types
- Colour coded fibres
- CST armouring for enhanced impact, crush and rodent resistance
- Compact 250 µm loose tube construction
- Flame retardant LSZH jacket for enhanced fire performance
- Fire resistance E120, PH120
- Reaction to fire Euroclass Cca-s1a,d1,a1

APPLICATIONS

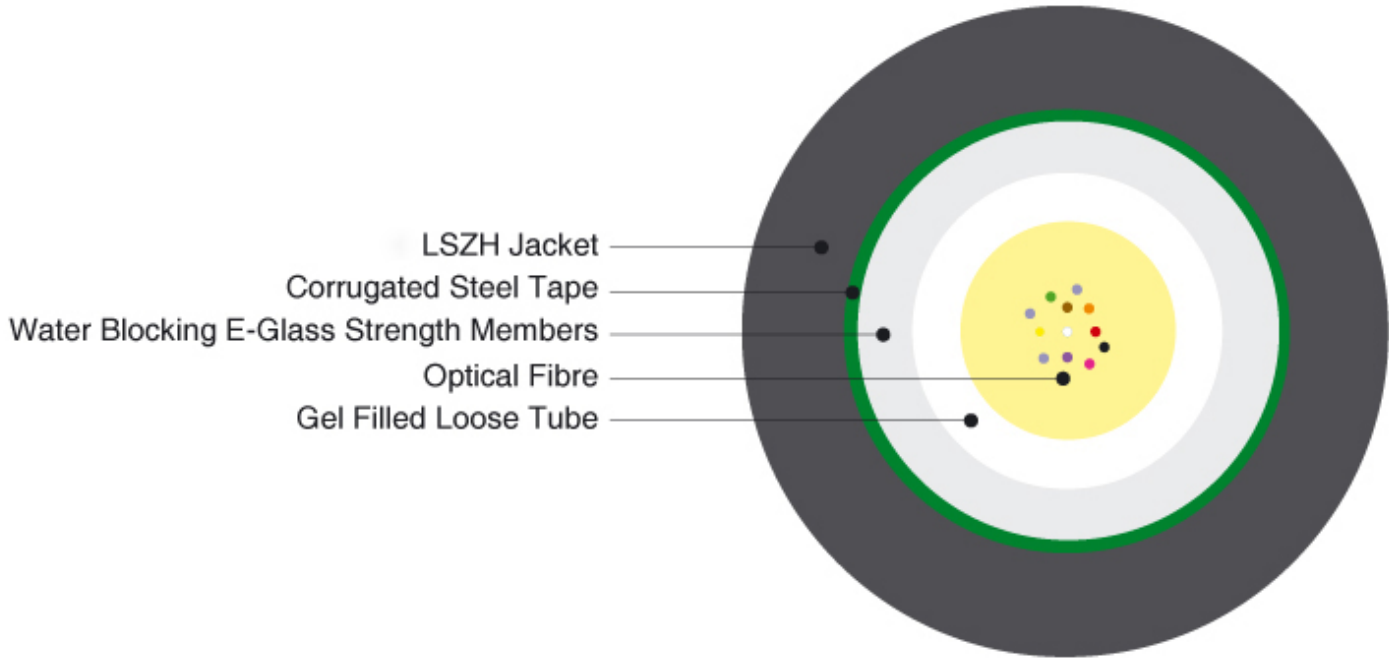
- Suitable for internal/external duct, tunnel and direct burial applications
- Suitable for environments where impact protection is required
- Ideal for intra building links in campus environments
- Circuit integrity applications

SPECIFICATIONS

Parameter	Unit	Value
Crush	N/100 mm	2200
Strength member		E-glass
Storage temperature	°C	-20 to 60
Installation temperature	°C	-5 to 40
Operating temperature	°C	-20 to 60
Nominal weight 2f to 24f	kg/km	103
Fibre count	n	2, 4, 6, 8, 12, 16 & 24
Nominal outer diameter 2f to 24f	mm	9.0 ±0.3
Maximum tensile load (Short Term)	N	1500
Maximum tensile load (Long Term)	N	500
Minimum bend radius (Installed)	mm	180
Minimum bend radius (Installation)	mm	180
Drum length	m	2100 ± 105
Plywood drum dimensions (Flange,Width) 2100m	mm (approximately)	F1000, W588
Drum weight with cable 2100m	kg (approximately)	224

Fire Test Parameter	Test Method	Result
Reaction to Fire	IEC 60332-1 IEC 60332-3-22 EN 50575	EuroClass Cca-s1a,d1,a1
Circuit Integrity	IEC 60331-25 EN 50200	E120: length of test 120 minutes, PH120: length of lest 120 minutes including shocks
Toxicity	NF X 70-100-2	
Smoke Density	IEC 61034-2	
Halogen acid gas content	IEC 60754-1	Zero
Degree of acidity of gases	IEC 60754-2	Minimum 4.3 pH Maximum 10 µS/mm

TECHNICAL DRAWING



ORDERING INFORMATION

DESCRIPTION	PART NUMBER
Optronics® **-core OM1 62.5/125 Int/Ext SLT Steel Tape Armour Cable E-Glass LSZH Black CPR	OM1LTSTA**UCBK
Optronics® **-core OM2 50/125 Int/Ext SLT Steel Tape Armour Cable E-Glass LSZH Black CPR	OM2LTSTA**UCBK
Optronics® **-core OM3 50/125 Int/Ext SLT Steel Tape Armour Cable E-Glass LSZH Black CPR	OM3LTSTA**UCBK
Optronics® **-core OM4 50/125 Int/Ext SLT Steel Tape Armour Cable E-Glass LSZH Black CPR	OM4LTSTA**UCBK
Optronics® **-core OS1/OS2 G.657A1 Int/Ext SLT Steel Tape Armour Cable E-Glass LSZH Black CPR	OS2LTSTA**UCBK
Optronics® **-core G.657A1 Int/Ext SLT Steel Tape Armour Cable E-Glass LSZH Black CPR	7A1LTSTA**UCBK

Where ** is the fibre count between 2 and 24

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