



Single Loose Tube Steel Tape Armoured Cable With E-Glass

Single loose tube steel tape armoured cable with water blocking e-glass strength members. The single gel filled loose tube consists of 2 to 24 250µm singlemode (OS1/OS2) 9/125 ITU-T G.652D or multimode (OM1/OM2/OM3/OM4) fibres. The corrugated steel tape armouring makes it an ideal solution for application that require high crush resistance or anti-rodent protection. There is an option for Low Smoke Zero Halogen (LSZH) or High Density Polyethylene (HDPE) jacket.

Features

- Flame retardant LSZH jacket for enhanced fire performance or HDPE jacket for environmental protection and water permeation resistance
- CST armouring for enhanced impact, crush and rodent resistance
- Choice of fibre types
- Color coded fibres
- Compact 250 µm loose tube construction

Applications

- Internal/External FTTH applications Suitable for internal applications
- Suitable for external duct and direct burial applications
- Suitable for environments where impact protection is required
- Suitable for intra building links in campus environments

Specifications

PAREMETER	UNIT	VALUE
Crush	N/100mm	2000
Strength Member		E-Glass
Storage Temperature	°C	-20 to +60
Installation Temperature	°C	-20 to +60
Operating Temperature	°C	-20 to +60
Nominal Weight 2f to 12 f	kg/km	LSZH 95 PE 73
Nominal Weight 14f to 24f	kg/km	LSZH 110 PE 86
Fibre count	N	2, 4, 6, 8, 12, 16 & 24
Nominal outer diameter 2f to 12f	mm	8.5 ± 0.3
Nominal outer diameter 14f to 24f	mm	9.2 ± 0.3
Maximum tensile load (Short Term)	N	1000
Maximum tensile load (Long Term)	N	500
Minimum bend radius	mm	Installed 10D
Minimum bend radius	mm	Loaded 20D
Drum length	km	2 or 4
Plywood drum dimensions (Flange, Barrel, Width) 4km 2f to 12f	mm (approx.)	F1000, B510, W690
Drum weight with cable 4km 2f to 12f	kg (approx.)	LSZH 398 HDPE 310
Plywood drum dimensions (Flange, Barrel, Width) 4km 14f to 24f	mm (approx.)	F1100, B500, W690
Drum weight with cable 4km 14f to 24f	kg (approx.)	LSZH 461 HDPE 365

Fibre Characteristics

FIBRE TYPE		OS1/OS2 G.652D			OM1		OM2		OM3		OM4	
Wavelength	nm	1310	1383	1550	850	1300	850	1300	850	1300	850	1300
Attenuation	dB/km	≤0.39	≤0.39	≤0.25	≤3.2	≤1.0	≤2.7	0.8	≤3.0	≤1.0	≤3.0	≤1.0

Transmission Performance

FIBRE TYPE	OS1/OS2 G.652D (1310/1383/1550)	OM1 (850/1300)	OM2 (850/1300)	OM3 (850/1300)	OM4 (850/1300)
100Base-FX, Ethernet, @ 1300nm	-	2000m	2000m	2000m	2000m
100Base-LX, @ 1310nm	10000m	-	-	-	-
1000Base-SX, Gigabit, Ethernet @ 850nm	-	275m	550m	550m	550m
100Base-LX, Gigabit Ethernet, @ 1310nm	1000m	550m	550m	550m	550m
10GBase-SR, 10Gbps @ 850nm	-	33m	82m	300m	550m
10GBase-LR, 10Gbps @ 1310nm	1000m	-	-	-	-
40GBase-SR, 40Gbps @ 850nm	-	-	-	100m	150m
40GBase-LR ₄ , 40Gbps @ 1310nm	1000m	-	-	-	-
100GBase-SR10, 100Gbps @ 850nm	-	-	-	100m	150m
100Base-LR ₄ , 100Gbps, @ 1310nm	1000m				
100Base-ER ₄ , 100Gbps, @ 1550nm	30000m	-	-	-	-

Ordering Information

	Fibre Type		Jacket Type		Fibre Count	
	9	G.652.D	1	LSZH	02	2
OFC-LTS	1	OM1	2	PE
	2	OM2			24	24
	3	OM3				
	4	OM4				

Example order code

OFC-LTS	-	9	1	-	24
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Single Loose Tube Cable STA Singlemode LSZH 24 Fibres

Technical Drawing

