

STA SLT Rodent Resistant Fibre Optic Cable with E-glass Strength Member (2-24 Fibres)

V.3.0

Description

2 to 24 fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) singlemode 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) or High Density Polyethylene (HDPE) 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 E-glass non metallic strength members, Corrugated Steel Tape (CST) armouring and LSZH or HDPE jacket.

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 or HDPE jacket for environmental protection and water permeation resistance**

Applications

- ▶ **Suitable for internal/external duct and direct burial applications**
- ▶ **Suitable for environments where impact protection is required**
- ▶ **Ideal for intra building links in campus environments**

Technical Specification

PARAMETER	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 12f	kg/km	LSZH 95 HDPE 73
Nominal weight 14f to 24f	kg/km	LSZH 110 HDPE 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



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Fibre Identification

No	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

No	13	14	15	16	17	18	19	20	21	22	23	24
Colour	Blue +b	Orange +b	Green +b	Brown +b	Grey +b	White +b	Red +b	Natural +b	Yellow +b	Violet +b	Pink +b	Aqua +b

+b = fibre with a black band ring mark

Fire Performance

FIRE TEST DESCRIPTION	FIRE TEST SPECIFICATION
Smoke emission	IEC 61034-1 & 2
Flammability	IEC 60332-1
Toxicity	IEC 60754-1
Acid gas emission	IEC 60754-2

Ordering Information

DESCRIPTION	PART NO.
OM1 250 µm Single tube CST LSZH	OM1LTSTA**UBK
OM2 250 µm Single tube CST LSZH	OM2LTSTA**UBK
OM3 250 µm Single tube CST LSZH	OM3LTSTA**UBK
OM4 250 µm Single tube CST LSZH	OM4LTSTA**UBK
OS1/OS2 ITU-T G.652D 250 µm Single tube CST LSZH	OS1LTSTA**UBK
OM1 250 µm Single tube CST PE	OM1LTSTA**PBK
OM2 250 µm Single tube CST PE	OM2LTSTA**PBK
OM3 250 µm Single tube CST PE	OM3LTSTA**PBK
OM4 250 µm Single tube CST PE	OM4LTSTA**PBK
OS1/OS2 ITU-T G.652D 250 µm Single tube CST PE	OS1LTSTA**PBK

Where ** is the fibre count between 2 and 24

