

STA SLT Fibre Optic Cable with Steel Wire Strength Members (2-12 Fibres)

V.3.0

Description

2 to 12 fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) singlemode 250 µm single loose tube metallic armoured external duct and direct burial cables with steel wire strength members, and Low Smoke Zero Halogen (LSZH) or polyethylene (PE) jacket.

The single loose tube cable consists of 2 to 12, 250 µm optical fibres in a single gel filled loose tube with longitudinally applied water swellable tape, Corrugated Steel Tape (CST) armouring and black LSZH or PE jacket with radially opposed steel wire strength members.

Features/Benefits

- Choice of fibre types
- Colour coded fibres
- CST armouring for enhanced impact and crush resistance
- Compact 250 µm loose tube construction
- Flame retardant LSZH jacket for enhanced fire performance or PE 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		Steel
Storage temperature	°C	-20 to 60
Installation temperature	°C	-20 to 60
Operating temperature	°C	-20 to 60
Nominal weight	kg/km	LSZH 150 PE 106
Fibre count	n	2, 4, 6, 8, & 12
Nominal outer diameter	mm	10.0 ±0.3
Maximum tensile load (Short Term)	N	1200
Maximum tensile load (Long Term)	N	600
Minimum bend radius	mm	Installed 100
Minimum bend radius	mm	Loaded 200
Drum length	km	4
Plywood drum dimensions (Flange, Barrel, Width)	mm (approx)	F1200, B560, W690
Drum weight with cable	kg (approx)	LSZH 676 PE 451



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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

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 wires LSZH	OM1LTSTW**UBK
OM2 250 µm Single tube CST wires LSZH	OM2LTSTW**UBK
OM3 250 µm Single tube CST wires LSZH	OM3LTSTW**UBK
OM4 250 µm Single tube CST wires LSZH	OM4LTSTW**UBK
OS1/OS2 ITU-T G.652D 250 µm Single tube CST wire LSZH	OS1LTSTW**UBK
OM1 250 µm Single tube CST wires PE	OM1LTSTW**PBK
OM2 250 µm Single tube CST wires PE	OM2LTSTW**PBK
OM3 250 µm Single tube CST wires PE	OM3LTSTW**PBK
OM4 250 µm Single tube CST wires PE	OM4LTSTW**PBK
OS1/OS2 ITU-T G.652D 250 µm Single tube CST wires PE	OS1LTSTW**PBK

Where ** is the fibre count between 2 and 12