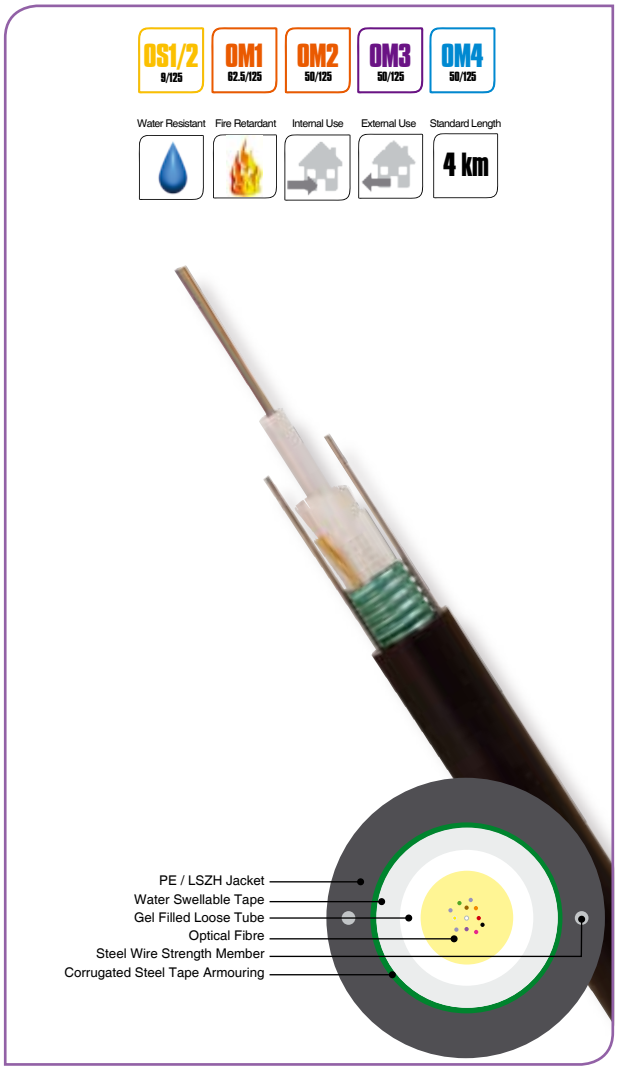
STA SLT Fibre Optic Cable with Steel Wire Strength Members (2-12 Fibres)



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) jacket 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**

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) Maximum tensile load (Long Term)	N N	1200 600
Minimum bend radius	mm	Installed 100
Minimum bend radius	mm	Loaded 200
Drum length	km	4
Plywood drum dimensions (Flange,Barrel,Width) 4km	mm (approx)	F1200, B560, W690
Drum weight with cable 4km	kg (approx)	LSZH 676 PE 451

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

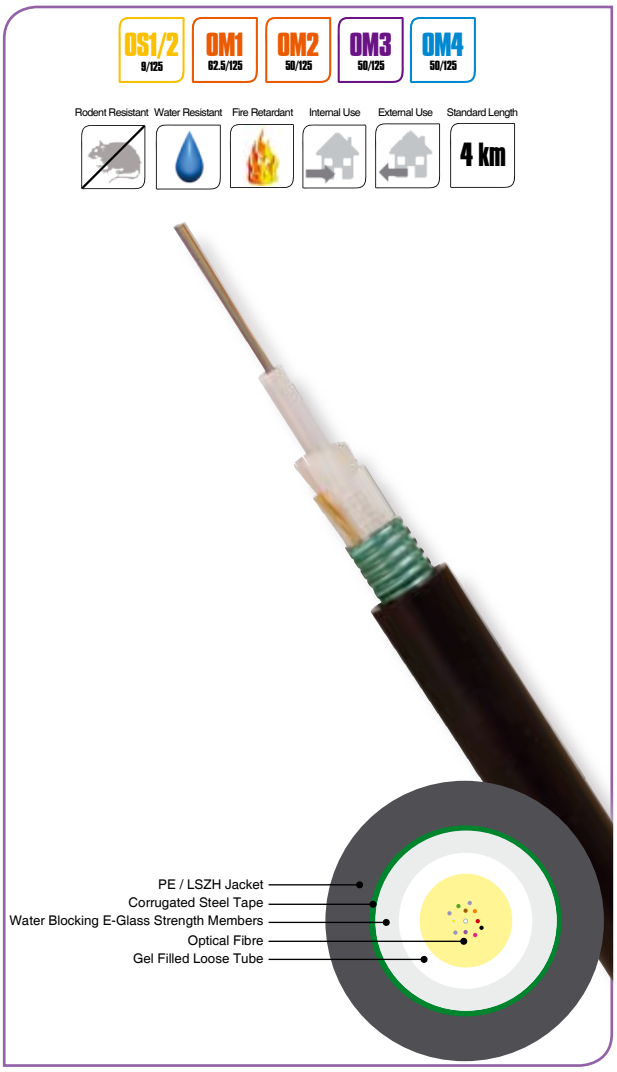
(*) LSZH Jacket cable only (OXXLTSTW**UBK/Z)

Ordering Information

DESCRIPTION	PART NO.
OM1 250 µm Single tube CST wires LSZH	**OM1LTSTW**UBK/Z**
OM2 250 µm Single tube CST wires LSZH	**OM2LTSTW**UBK/Z**
OM3 250 µm Single tube CST wires LSZH	**OM3LTSTW**UBK/Z**
OM4 250 µm Single tube CST wires LSZH	**OM4LTSTW**UBK/Z**
OS1/OS2 ITU-T G.652D 250 µm Single tube CST wires LSZH	**OS1LTSTW**UBK/Z**
OM1 250 µm Single tube CST wires PE	**OM1LTSTW**PBK/Z**
OM2 250 µm Single tube CST wires PE	**OM2LTSTW**PBK/Z**
OM3 250 µm Single tube CST wires PE	**OM3LTSTW**PBK/Z**
OM4 250 µm Single tube CST wires PE	**OM4LTSTW**PBK/Z**
OS1/OS2 ITU-T G.652D 250 µm Single tube CST wires PE	**OS1LTSTW**PBK/Z**

Where ** is the fibre count between 2 and 12

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



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 Nominal weight 14f to 24f	kg/km kg/km	LSZH 95 HDPE 73 LSZH 110 HDPE 86
Fibre count	n	2, 4, 6, 8, 12, 16 & 24
Nominal outer diameter 2f to 12f Nominal outer diameter 14f to 24f	mm mm	8.5 ±0.3 9.2 ±0.3
Maximum tensile load (Short Term) Maximum tensile load (Long Term)	N N	1000 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 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/Z**
OM2 250 µm Single tube CST LSZH	**OM2LTSTA**UBK/Z**
OM3 250 µm Single tube CST LSZH	**OM3LTSTA**UBK/Z**
OM4 250 µm Single tube CST LSZH	**OM4LTSTA**UBK/Z**
OS1/OS2 ITU-T G.652D 250 µm Single tube CST LSZH	**OS1LTSTA**UBK/Z**
OM1 250 µm Single tube CST PE	**OM1LTSTA**PBK/Z**
OM2 250 µm Single tube CST PE	**OM2LTSTA**PBK/Z**
OM3 250 µm Single tube CST PE	**OM3LTSTA**PBK/Z**
OM4 250 µm Single tube CST PE	**OM4LTSTA**PBK/Z**
OS1/OS2 ITU-T G.652D 250 µm Single tube CST PE	**OS1LTSTA**PBK/Z**

Where ** is the fibre count between 2 and 24