

## Single Loose Tube Steel Tape Armoured Optical Fibre Cable

These single loose tube cables are simply but robustly constructed of colour coded 250 micron coated fibres contained in a central tube. This is surrounded by a water blocking tape and corrugated steel tape armour with twin steel strength members embedded in the jacket. Available with a black PE or LSZH outer jacket, compliant with IEC fire performance requirements.

Cables with 4 – 24 fibres are available in all four standard fibre specifications – OM1, OM2, OM3 and OS1.



### Features

- ▶ Corrugated steel armour for direct burial
- ▶ Colour coded fibres for easy identification
- ▶ Twin steel wire strength members provide 1500N pulling tension
- ▶ Black UV resistant jacket as standard
- ▶ Water blocking tape

### Applications

- ▶ Externally for direct burial or in ducts
- ▶ On site fibre splicing and direct terminations
- ▶ Compact design for limited conduit space
- ▶ Anywhere protection from mechanical damage is required

### Technical Specification

Description	OM1 62.5/125 850/1300nm	OM2 50/125 850/1300nm	OM3 50/125 850/1300nm	OS1 9/125 1310/1500nm
Crush Test	1000N			
Ripcord	YES			
Strength Members	E-glass/Aramid yarn			
Operating Temperature	-30°C to 70°C			
Fire Performance	LSZH for interna/external applications			
Flame Resistance	IEC60332-1			
Attenuation (dB/km) Typical	3.2/1.0	2.6/0.4	2.5/0.7	0.35/0.22
Minimum Bandwidth (MHZ/km)	200/600	400/400	1500/500	N/A
Primary Buffer Diameter	250 Microns	250 Microns	250 Microns	250 Microns

Fibre Count	Nominal Outer Diameter mm	Nominal Weight Kg/km	Maximum Tensile Load		Minimum Bend Radius	
			Short Term N	Long Term N	Loaded cm	Installed cm
4	9.7	100	1500	600	15	10
6	9.7	100	1500	600	15	10
8	9.7	100	1500	600	15	10
12	9.7	100	1500	600	15	10
16	10.7	130	1500	600	16	11
24	10.7	130	1500	600	16	11

