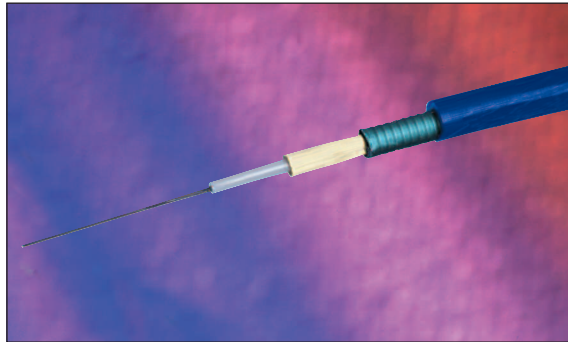


EXCEL

Excel Loose Tube Internal/External Grade Fibre CST Armoured - Multimode 62.5/125 OM1



25 Year System Warranty

Internal External Grade

Sequentially Metre Marked

Corrugated Steel Tape Armour

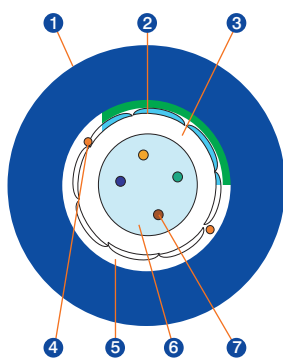
Features

- 62.5/125 Multimode Fibre
- LSOH Blue Sheath
- 200/600MHz Bandwidth
- Duct Grade, Rodent Resistant
- Cut to length service
- Sequentially Metre Marked
- Corrugated Steel Tape Armour
- 25 Year System Warranty

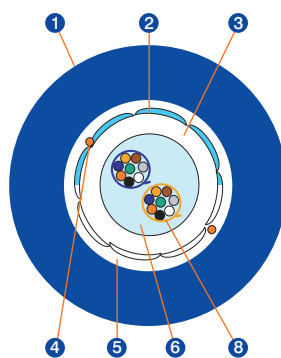
Product Overview

Excel corrugated steel tape (CST) armoured loose tube optical fibre cables have been designed specifically for applications requiring a high degree of mechanical protection. These compact, lightweight cables are extremely rugged, provide rodent resistance and are quick and easy to install. The cables are constructed around a silica gel filled tube(s) containing up to 12 colour coded 250um buffered 62.5/125 fibres. This tube is covered with E-glass strength members and a flame retardant, low smoke zero halogen, outer sheath. In 16 and 24 core cables, the twin bundle design provides both extra protection for the fibres but also enables faster and easier installation, whilst retaining a compact outside diameter.

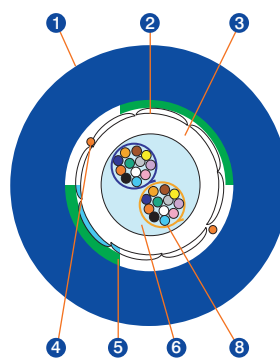
4,8&12 Fibre Construction



16 Fibre Construction



24 Fibre Construction



- 1 LSOH Outer Sheath
- 2 E-glass
- 3 Gel-filled Loose Tube
- 4 Ripcord
- 5 Corrugated Steel Armour
- 6 Filling Compound
- 7 Optical Fibres
- 8 Optical Fibres (in blue and orange bundles)

Performance Overview

Excel loose tube fibre optic cables are designed and manufactured to ensure that optimum performance is possible from installed fibre links. Support of protocols such as Gigabit Ethernet over maximum distances – 275 metres at 850nm and 550 metres at 1300nm, are assured, due to improved bandwidth available as standard from Excel fibre cables.

Performance / Specification Table

Physical Characteristics

Loose Tube CST Cable		4 Core	8 Core	12 Core	16 Core	24 Core
Outside Diameter	mm	8.2 ± 0.2	8.2 ± 0.2	8.2 ± 0.2	8.3 ± 0.2	8.3 ± 0.2
Loose Tube Diameter	mm	2.8 ± 0.1	2.8 ± 0.1	2.8 ± 0.1	3.0 ± 0.1	3.0 ± 0.1
Weight	kg/km	78	78	78	85	85
Drum Size (Max)	cm/2km	105 x 53	105 x 53	105 x 53	105 x 53	105 x 53
Max Installation Load	N	2000	2000	2000	2000	2000
Max Installed Load	N	1000	1000	1000	1000	1000
Min bend radius installation	O.D	20	20	20	20	20
Min bend radius installed	O.D	10	10	10	10	10
Crush Resistance installation	N	3000	3000	3000	3000	3000
Crush Resistance installed	N	1000	1000	1000	1000	1000
Operating Temp	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Storage Temp	°C	-40 to +60	-40 to +60	-40 to +60	-40 to +60	-40 to +60
Outer sheath		LSOH IEC332-1 LSOH IEC332-1 LSOH IEC332-1 LSOH IEC332-1 LSOH IEC332-1				

Optical Performance

Cable Type	Typical/Maximum Attenuation	Minimum Bandwidth
	(dB/km)	(MHz/km)
	850nm - 1300nm	850nm - 1300nm
OM1 62.5/125	2.7/3.2 - 0.6/1.1	200 - 600

Fibre Colours

1. Blue	2. Orange	3. Green	4. Brown
5. Grey	6. White	7. Red	8. Black
9. Yellow	10. Purple	11. Pink	12. Aqua

N.B. In 16 core cables, colours 1-8 are repeated in each loose tube. In 24 core cables, colours 1-12 are repeated in each loose tube.

System Warranty

When installed together with Excel connectivity by an accredited Excel Cabling Partner, this product is supported by a comprehensive 25 year product and applications warranty, underwritten by a unique system liability insurance policy.

Typical Applications

- 100 Base-FX
- 1000 Base SX/LX Gigabit Ethernet
- 10 Base-FL
- 155 Mbps ATM
- FDDI
- 622 Mbps ATM

Part Number Information

Part No.	Description
205-270	Excel 4 Core 62.5/125 OM1 Loose Tube CST Blue Fibre
205-271	Excel 8 Core 62.5/125 OM1 Loose Tube CST Blue Fibre
205-272	Excel 12 Core 62.5/125 OM1 Loose Tube CST Blue Fibre
205-273	Excel 16 Core 62.5/125 OM1 Loose Tube CST Blue Fibre
205-274	Excel 24 Core 62.5/125 OM1 Loose Tube CST Blue Fibre