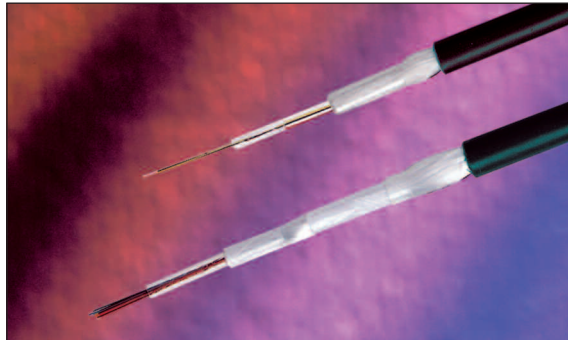


EXCEL

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



25 Year System Warranty

Internal External Grade

Sequentially Metre Marked

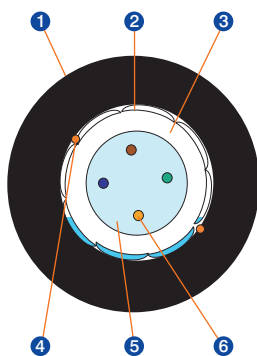
Features

- 62.5/125 Multimode Fibre
- LSOH Black Sheath
- 200/600MHz Bandwidth
- Duct Grade
- Cut to length service
- Sequentially Metre Marked
- Suitable for Internal & External Use
- 25 Year System Warranty

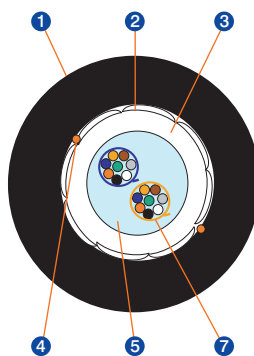
Product Overview

Excel loose tube optical fibre cables have been designed specifically for internal and external applications. These compact, lightweight cables are extremely flexible 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.

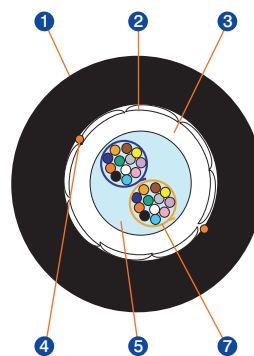
4,8&12 Fibre Construction



16 Fibre Construction



24 Fibre Construction



- 1 LSOH Outer Sheath
- 2 E-glass
- 3 Gel-filled Loose Tube
- 4 Ripcord
- 5 Filling Compound
- 6 Optical Fibres
- 7 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 Cable | | 4 Core | 8 Core | 12 Core | 16 Core | 24 Core |
|-------------------------------|--------|---|------------|------------|------------|------------|
| Outside Diameter | mm | 6.0 ± 0.2 | 6.0 ± 0.2 | 6.0 ± 0.2 | 6.0 ± 0.2 | 6.0 ± 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 | 35 | 38 | 42 | 44 | 46 |
| Drum Size (Max) | cm/2km | 71 x 38 | 92 x 48 | 92 x 48 | 92 x 48 | 92 x 48 |
| Max Installation Load | N | 1500 | 1500 | 1500 | 1500 | 1500 |
| Max Installed Load | N | 600 | 600 | 600 | 600 | 600 |
| 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 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Crush Resistance installed | N | 300 | 300 | 300 | 300 | 300 |
| 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 |
|----------|---|
| 200-047 | Excel 4 Core 62.5/125 OM1 Loose Tube Black Fibre |
| 200-067 | Excel 8 Core 62.5/125 OM1 Loose Tube Black Fibre |
| 200-087 | Excel 12 Core 62.5/125 OM1 Loose Tube Black Fibre |
| 200-081 | Excel 16 Core 62.5/125 OM1 Loose Tube Black Fibre |
| 200-084 | Excel 24 Core 62.5/125 OM1 Loose Tube Black Fibre |