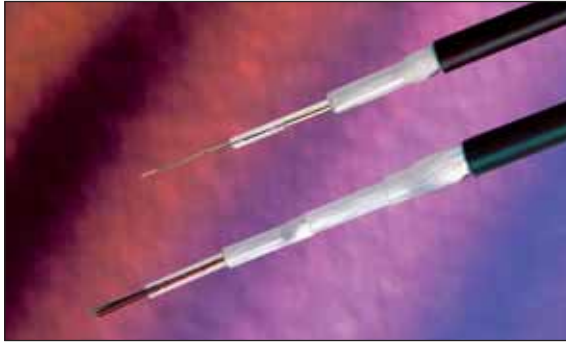


EXCEL

Excel Loose Tube Internal/External Grade Fibre - Multimode 50/125 OM3



25 Year System Warranty

Internal External Grade

Sequentially Metre Marked

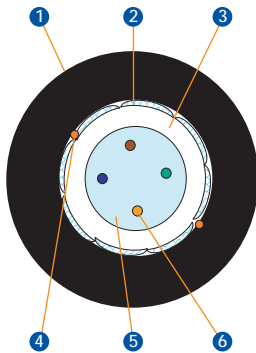
Features

- 50/125 Multimode Fibre
- LSOH Black Sheath
- 1500/500MHz Bandwidth
- Duct Grade
- Cut to length service
- Sequentially Metre Marked
- Suitable for Internal & External Use
- 25 Year System Warranty

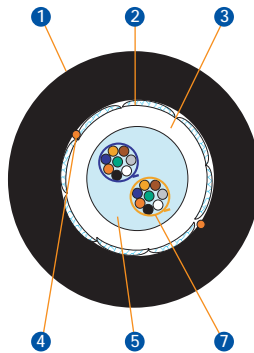
Product Overview

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 50/125 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.

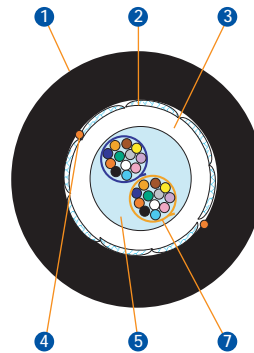
4,8&12 Fibre Construction



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 10 Gigabit Ethernet over maximum distances – 300 metres is 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 (dB/km)	Minimum Bandwidth (MHz/km)
	850nm - 1300nm	850nm - 1300nm
OM3 50/125	3.0 - -	1500 - 500

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

Part Number Information

Part No.	Description
200-150	Excel 4 Core 50/125 OM3 Loose Tube Black Fibre
200-151	Excel 8 Core 50/125 OM3 Loose Tube Black Fibre
200-152	Excel 12 Core 50/125 OM3 Loose Tube Black Fibre
200-153	Excel 16 Core 50/125 OM3 Loose Tube Black Fibre
200-154	Excel 24 Core 50/125 OM3 Loose Tube Black Fibre



Excel is a complete, end-to-end networking solution, offering exceptional performance and support, manufactured to European quality standards and covered by one warranty.

Contact us at sales@excel-networking.com

WWW.EXCEL-NETWORKING.COM