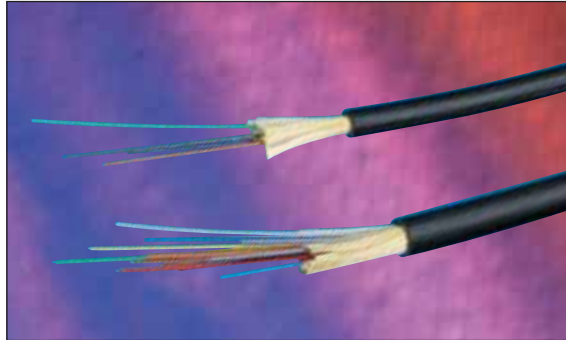


# EXCEL

## Excel Tight Buffered Internal/External Grade Fibre - Multimode 62.5/125 OM1



25 Year System Warranty

Internal External Grade

Sequentially Metre Marked

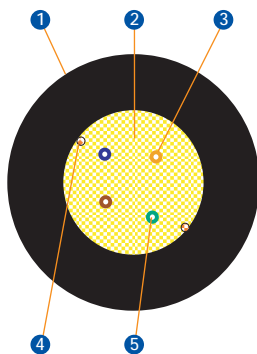
### Features

- 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

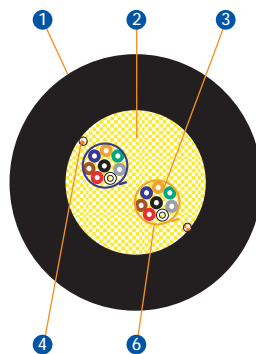
### Product Overview

Excel tight buffered 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 central aramid yarn strength member containing up to 12 colour coded 900um buffered 62.5/125 fibres, covered with 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.

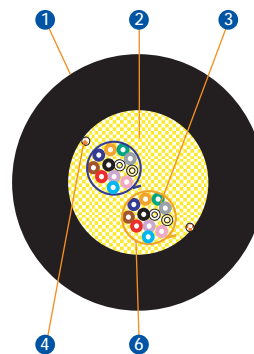
#### 4,8 & 12 Fibre Construction



#### 16 Fibre Construction



#### 24 Fibre Construction



- 1 LSOH Outer Sheath
- 2 Aramid Yarn
- 3 Tight Buffer
- 4 Ripcord
- 5 Optical Fibres
- 6 Optical Fibres (in blue and orange bundles)

### Performance Overview

Excel tight buffered 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

Tight Buffered Cable		4 Core	8 Core	12 Core	16 Core	24 Core
Outside Diameter	mm	5.2 ± 0.2	6.0 ± 0.2	7.0 ± 0.2	7.8 ± 0.2	8.8 ± 0.2
Weight	kg/km	22	31	48	60	68
Drum Size (Max)	cm/2km	71 x 38	92 x 48	92 x 48	92 x 48	92 x 48
Max Installation Load	N	640	730	1100	1500	1500
Max Installed Load	N	300	300	300	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	1500	1500	1500	2000	2000
Crush Resistance installed	N	600	600	600	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 +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85
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 bundle. In 24 core cables, colours 1-12 are repeated in each bundle.

### 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
200-110	Excel 4 Core 62.5/125 OM1 Tight Buffered Black Fibre
200-130	Excel 8 Core 62.5/125 OM1 Tight Buffered Black Fibre
200-140	Excel 12 Core 62.5/125 OM1 Tight Buffered Black Fibre
200-141	Excel 16 Core 62.5/125 OM1 Tight Buffered Black Fibre
200-142	Excel 24 Core 62.5/125 OM1 Tight Buffered 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](mailto:sales@excel-networking.com)

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