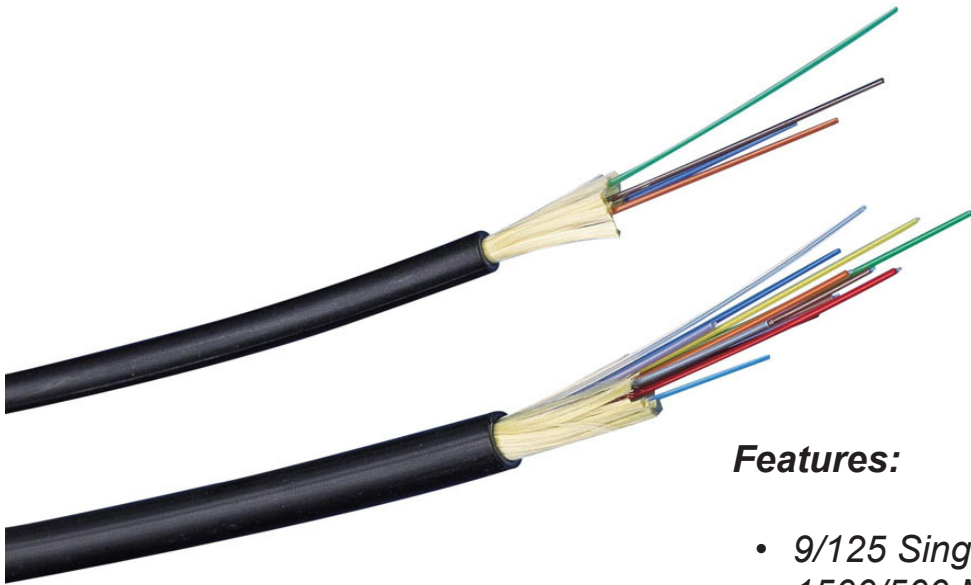


Tight-Buffered Internal/External Grade Fibre Multi-mode 50/125 OM3



Features:

- *9/125 Single-mode Fibre*
- *1500/500 MHz.km Bandwidth*
- *LSZH Black Sheath*
- *Sequentially Metre Marked*
- *Suitable for Internal & External Use*
- *25 Year Warranty*

This tight buffered optical fibre cable has been designed specifically for internal and external applications. The compact, lightweight cable is extremely flexible and is quick and easy to install. Cables are constructed around a central aramid yarn strength member containing up to 24 colour coded 900µm tight buffered 50/125µm fibres covered with a flame retardant LSZH outer sheath.

The cables are designed and manufactured to ensure that optimum performance from installed fibre links. Protocols such as Gigabit Ethernet over maximum distances are assured due to the improved bandwidth.

Typical Applications:

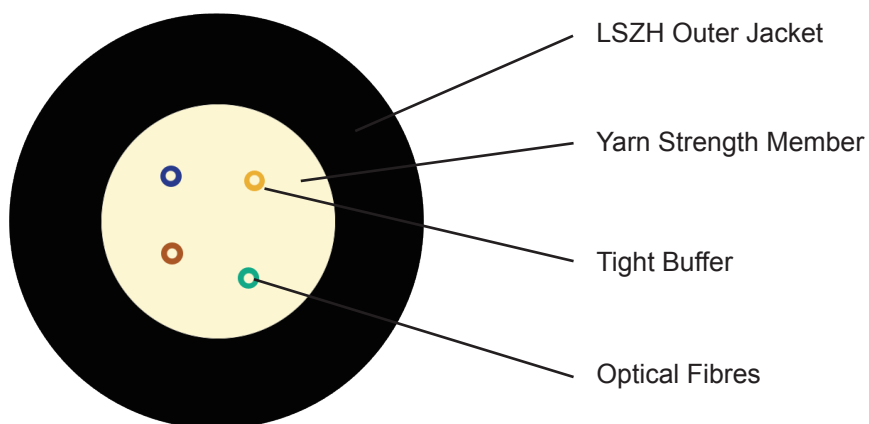
- *100BASE-FX*
- *1000BASE-SX*
- *1000BASE-LX*
- *10GBASE-SR/SW*
- *10GBASE-LX4*
- *155 Mbps ATM*
- *622 Mbps ATM*
- *FDDI*
- *531 Mbps Fibre Channel*
- *1062 Mbps Fibre Channel*

Performance

Physical Characteristics

Number of Fibres	4	8	12
Nominal O/D	5.4-6.5mm	6.5-7.0mm	7.0-7.6mm
Sheath	1.1mm		
Max Pulling Tension (Long-Term)	500N		
Crush Load (IEC 60794-1-2-E3)			
Short-Term	1500N/100mm		
Long-Term	600N/100mm		
Nominal Weight (kg/m)	0.0034	0.0039	0.0045
Operating Temperature Range	-10 to +60°C		
Min. Bend Radius			
Short-Term	20 x O/D		
Long-Term	10 x O/D		

Fibre Construction



Optical Performance	
Numerical Aperture	0.20 +/- 0.015 μ m
Core/Cladding Diameter	50 +/- 2.5 μ m 125 +/- 1 μ m

	850 nm	1300 nm
Average Attenuation	2.50 dB/km	0.50 dB/km
Maximum Attenuation	3.0 dB/km	1.0 dB/km
Dispersion	\leq 1500 MHz.km	\leq 500 MHz.km
Ethernet Performance		
Gigabit	900m	550m
10 Gigabit	300m	n/a
Refractive Index (n)	1.481	1.476

Base Colours			
Blue	Orange	Green	Brown
Natural	White	Red	Black
Yellow	Violet	Pink	Turquoise