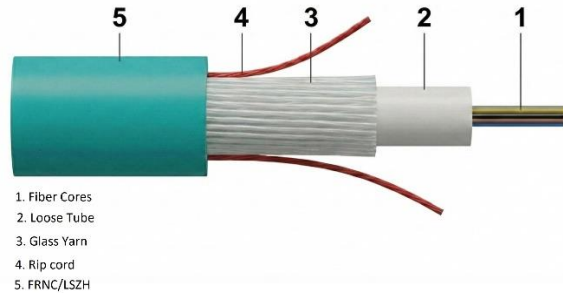
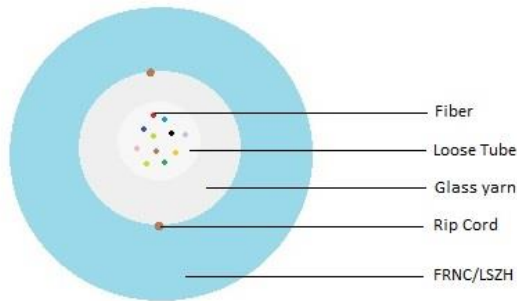


Universal Optical Fiber Cable

USLT-10 Single Loose Tube, Glass Yarn Armour, Single Jacket



Fiber Type	MM OM3	MM OM4	SM G.652D
Attenuation at 850 nm	≤ 3.5 dB/km	≤ 3.0 dB/km	
Attenuation at 1300 nm	≤ 1.5 dB/km	≤ 1.5 dB/km	
Attenuation at 13100/1550/1625 nm			≤ 0.4 dB/km

Application

Suitable for indoor and outdoor application, laying on cable trays and ducts. It can be used as LAN back bones in multi dwelling building's riser to connect IDFs to MDF, connecting buildings in compass to main data center.

General Construction

Non-metallic, central loose tube, jell free, glass yarn for protection against rodents' attack, water blocking yarn, high crush resistance for higher reliability. Flame retardant LSZH outer jacket. Rip cords for easier cable stripping.

Cable Design			
Cable Type	Universal		
Fiber Type	SM/OM3/OM4		
Outer Sheath Material	FRNC/LSZH		
Color	OM3 Turquoise (Aqua)	OM4 Violet	SM G.652D Yellow
Fiber cores	Maximum 24 fibers		
Number Of Loose Tubes	1		
Loose Buffer Tube	PBT (Polybutylene terephthalate)		
Loose Tube	3.0 ± 0.07mm		
Armoring	Glass Yarn		
Cable Outer Diameter	7.6 mm		
Tensile Strength (Long/Short)	3000 / 1000 N		
Crush Load (Long/Short)	5000 / 1000 N		
Bending Radius	15D		
Operating temperature	-25 - +60 °C		

Fiber Identification Colors

All fiber cores are individually identified by colored quoting up to 12 colors according to EIA/TIA 598





Optical Characteristics		
Multi-Mode OM3/OM4		
	OM3	OM4
Cladding diameter	125 ± 0.1 µm	125 ± 0.1 µm
Core diameter	50 ± 2.5 µm	50 ± 2.5 µm
Coating diameter	0.2000 ± 0.015 µm	
Numerical Aperture (NA)	242 ± 5 µm	
OFL Bandwidth		
850nm	≥ 1500	≥ 3500
1300nm	≥ 500	≥ 500
Optical Characteristics Single-Mode OS2 E9/125 G.652d		
Cladding diameter	125 ± 0.7 µm	
Core diameter	9 µm	
Coating diameter	242 ± 0.7 µm	
Zero Dispersion Wavelength	1300-1324 nm	
Zero Dispersion Slope	≤ 0.092 ps/(nm ² .km)	
Mode Field Diameter @ 1310nm	9.2 ± 0.4 µm	
Mode Field Diameter @ 1550nm	10.4 ± 0.8 µm	
Cable Cut-Off Wavelength, λ _{cc}	≤ 1260 nm	

Cable Marking

PAMIX USLT-10 Universal Optical Fiber Cable Armored <Product Number> <Number of fiber cores> <SM G.652D>/ MM <OM3/OM4> <Lot No.> <meter count>



Standards

The cable is manufactured and tested according to following industry standards

Tensile Loading Test	IEC 60794-1-2 E1
Crush Test	IEC 60794-1-2 E3
Impact Resistance Test	IEC 60794-1-2 E4
Repeated Pending test	IEC 60794-1-2 E6
Torsion/Twist Test	IEC 60794-1-2 E7
Temperature Cycling Test	IEC 60794-1-2 F1
Water Penetration Test	IEC 60794-1-2 F5B

Ordering Information

Description	Art. Number
PAMIX USLT-10 Universal Optical fiber MM OM3 Cable 4 cores	1012900
PAMIX USLT-10 Universal Optical fiber MM OM3 Cable 6 cores	1012901
PAMIX USLT-10 Universal Optical fiber MM OM3 Cable 8 cores	1012902
PAMIX USLT-10 Universal Optical fiber MM OM3 Cable 12 cores	1012903
PAMIX USLT-10 Universal Optical fiber MM OM3 Cable 24 cores	1012904
PAMIX USLT-10 Universal Optical fiber MM OM4 Cable 4 cores	1012910
PAMIX USLT-10 Universal Optical fiber MM OM4 Cable 6 cores	1012911
PAMIX USLT-10 Universal Optical fiber MM OM4 Cable 8 cores	1012912
PAMIX USLT-10 Universal Optical fiber MM OM4 Cable 12 cores	1012913
PAMIX USLT-10 Universal Optical fiber MM OM4 Cable 24 cores	1012914
PAMIX USLT-10 Universal Optical fiber SM G.652D OM3 Cable 4 cores	1012930
PAMIX USLT-10 Universal Optical fiber SM G.652D OM3 Cable 6 cores	1012931
PAMIX USLT-10 Universal Optical fiber SM G.652D OM3 Cable 8 cores	1012932
PAMIX USLT-10 Universal Optical fiber SM G.652D OM3 Cable 12 cores	1012933
PAMIX USLT-10 Universal Optical fiber SM G.652D OM3 Cable 24 cores	1012934