

SLT-I05 Optical Fiber Cable

Indoor Non Metallic Single Loose Tube Single Jacket



SM 9/125 (G.652.d) Fiber Type	
Attenuation at 1310 nm	Max. 0.36 dB/km
Attenuation at 1550 nm	Max. 0.22 dB/km
MM OM3 Fiber Type	
Attenuation at 850 nm	Max. 2.50 dB/km
Attenuation at 1300 nm	Max. 0.70 dB/km
MM OM4 Fiber Type	
Attenuation at 850 nm	Max. 2.50 dB/km
Attenuation at 1300 nm	Max. 0.60 dB/km

Application

Suitable for pulling in or blowing through ducts, laying on cable trays, rodent protected.

General Construction

Single loose tube surrounded with longitudinally applied glass yarn, non-metallic strength members Water blocking swellable material over core, Single outer sheath



Cable Design

Outer Sheath Material	FR/LSZH according to IEC60332-1-2
Outer Sheath Thickness	1.0 mm \pm 0.2
Outer Sheath color	Black RAL9005
Loose Buffer Tube	PBT (Polybutylene terephthalate)
Number of Loose Tubes	1
Number of Fibers per Loose Tube	Up to 24 fibers
Internal Diameter of Loose Tube	2,9 mm \pm 0,07
Outer Diameter of Loose Tube	1,9 mm \pm 0,07
Filling Compound in Loose Tube	Thixotropic Jelly Compound
Core rapping tape	Water swellable tape
Auxiliary Strength Member	Glass Yarn
Cable Outer diameter	6.5mm \pm 0.5
Ripcord	Yes, under outer sheath



Performance and Standards

No.	Cable Test	Standard	Requirements
1	Tensile Strength (installation)	IEC 60794-1 E1	1.200N
2	Tensile Strength (Operation)	IEC 60794-1 E1	800N
3	Bending Radius	IEC 60794-1-E11	20 X D
4	Repeated Bending Radius:	IEC 60794-1-E6	5 X D, 10 Cycles, 50 N
5	Impact Test	IEC 60794-1-E4	1 meter 5 N
6	Crush Strength	IEC 60794-1-E3	1.000N / 100mm
7	Torsion Test	IEC 60794-1-E7	±180°, 1 meter, 10 cycles
8	Kink Test	IEC 60794-1-E10	Minimum 20 X D
9	Temperature Cycling	IEC 60794-1-F1	-30°C / +80°C
	Operating Temperature (Installation)		-30°C / +60°C
	Operating Temperature (Operation)		-40°C / +80°C

Cable Marking

PAMIX SLT-I05 Indoor Optical Fiber Cable Unarmored <Product Number> <Number of fiber cores> <fiber type: SM 9/125 G.652 d, OM3, OM4 <Lot No.> <meter count>

* Cable marking can be customized to meet customer needs.

Delivery

2000 meter on wooden drum

80cm Drum flange diameter

Warranty

25 years performance warranty, refer to PAMIX Worldwide warranty terms.



Ordering Information

Product description	Fibers	Part Number
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	4	1012601
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	6	1012611
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	8	1012621
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	12	1012631
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	16	1012641
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	20	1012651
PAMIX SLT-I05 Indoor SM G652.d, Central Tube, Single sheath, Unarmored, Black.	24	1012661
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	4	1012602
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	6	1012612
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	8	1012622
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	12	1012632
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	16	1012642
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	20	1012652
PAMIX SLT-I05 Indoor MM OM2, Central Tube, Single sheath, Unarmored, Black.	24	1012662
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	4	1012603
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	6	1012613
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	8	1012623
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	12	1012633
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	16	1012643
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	20	1012653
PAMIX SLT-I05 Indoor MM OM3, Central Tube, Single sheath, Unarmored, Black.	24	1012663
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	4	1012604
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	6	1012614
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	8	1012624
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	12	1012634
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	16	1012644
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	20	1012654
PAMIX SLT-I05 Indoor MM OM4, Central Tube, Single sheath, Unarmored, Black.	24	1012664