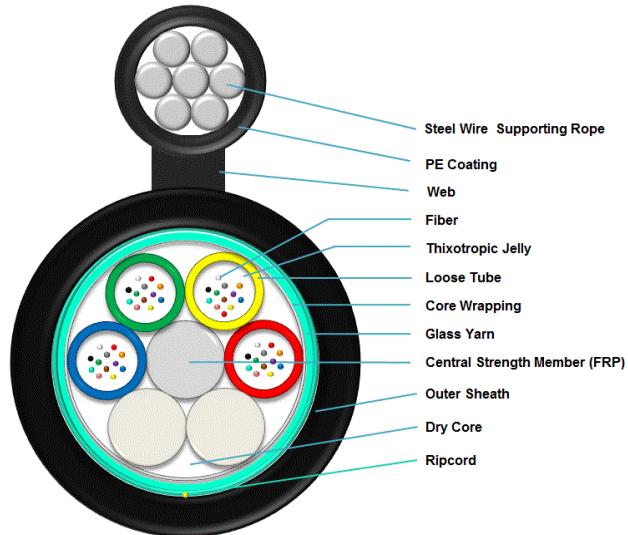


## Aerial Optical Fiber Cable

### A-MLT-S02 Multi Loose Tube, Steel Wire Rope, Single Sheath

(IEC 60794-3-12)



Fiber Type

Attenuation at 1310 nm

Attenuation at 1550 nm

SM 9/125 (G.652 d)

Max. 0.36 dB/km

Max. 0.22 dB/km

## Application

Aerial installation

## General Construction

Single outer sheath, Multi loose tube, Water blocking swellable material.



## Cable Design

Outer Sheath Material	MDPE & HDPE black according to ASTM D 1248 type II class C
Outer Sheath Thickness	1.6 mm $\pm$ 0.1
Loose Buffer Tube	PBT (Polybutylene terephthalate)
Filling Compound in Loose Tube	Thixotropic Jelly Compound
Tube Outer Diameter	2,30 mm $\pm$ 0,07
Tube Inner Diameter	1,40 mm $\pm$ 0,07
Central Strength Member	FRP
FRP Diameter	2,50 mm $\pm$ 0,07
Core rapping tape	Water swellable tape
Auxiliary Strength Member	Armide Yarn
Steel Rope Diameter	7 X 0.9 mm
Ripcord	Yes, under outer sheath
Cable Outer Diameter	Depends on number fibers and loose tubes, range from 12.0 to 13.0 mm $\pm$ 0,07
Web Dimensions	2.5 X 2.5 mm



## Performance and Standards

No.	Cable Test	Standard	Requirements
1	Tensile Strength (installation)	IEC 60794-1 E1	Min 4.000N
2	Tensile Strength (Operation)	IEC 60794-1 E1	Attenuation Change (Max 0,05 dB) Min 2.500N
3	Cable Bend 20xD,	IEC 60794-1-E11	Attenuation Change (Max 0,05 dB) Attenuation Change (Max 0,05 dB) No Damage or breakage of the cable
4	Impact Test: 1 meter 50 N	IEC 60794-1-E4	Attenuation Change (Max 0,05 dB)
5	Crush Strength: 200 N/cm	IEC 60794-1-E3	Attenuation Change (Max 0,05 dB)
6	Torsion Test: 2 meter 10 kg ±180° 10 cycles(20 times)	IEC 60794-1-E7	Attenuation Change (Max 0,05 dB)
7	Flexing Test: 20xD,30 cycles/min	IEC 60794-1-E8	Attenuation Change (Max 0,05 dB) No Damage or breakage of the cable
8	Kink Test: 3 meter, formed in to loop, Min 20xD	IEC 60794-1-E10	Attenuation Change (Max 0,05 dB)
9	Repeated Bending Test: 10 cycle, 10 kg load, L>1,5 meter, 20xD	IEC 60794-1-E6	Attenuation Change (Max 0,1 dB)
10	Temperature Cycling (-40°C to +80°C) Transition from 20°C to -40°C : 4 hours  Duration -40°C :36 hour  Transition from -40°C to 80°C: 4 hours  Duration +80°C :36 hour  Duration of each cycle:36 hour  Number of cycle: 1	IEC 60794-1-F1	Attenuation Change (Max 0, 5 dB)
11	Water penetration: 3 meter, 24 hour	IEC 60794-1-E5	No Leakage at the end of the cable
12	Filing & Flooding compound flow	IEC 60794-1-E14	No flow



## Cable Marking

PAMIX A-MLT-S02 Aerial Fiber Cable Steel wire <Product Number> <Number of fiber cores> SM 9/125 G.652 d <Lot No.> <meter count>

\* Cable marking can be customized to meet customer needs.

## Delivery

2000 meter cable length on wooden drum

Cable weight depends on cable design.

50cm Wooden drum flange

## Warranty

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

## Ordering Information

Description	Art. Number
PAMIX A-MLT-S02 Aerial Multi Loose Tube 6x4 cores, SM G.652 d, single jacket, Steel Wire	1012991
PAMIX A-MLT-S02 Aerial Multi Loose Tube 3x12 cores, SM G.652 d, single jacket, Steel Wire	1012992
PAMIX A-MLT-S02 Aerial Multi Loose Tube 4x12 cores, SM G.652 d, single jacket, Steel Wire	1012993
PAMIX A-MLT-S02 Aerial Multi Loose Tube 6x12 cores, SM G.652 d, single jacket, Steel Wire	1012994
PAMIX A-MLT-S02 Aerial Multi Loose Tube 8x12 cores, SM G.652 d, single jacket, Steel Wire	1012995

\* Other cable designs can be customize based on customer request.