

Aerial Figure 8 Optical Fiber Outdoor Cable

ASLT-SS01 Central Loose Tube, Corrugated Steel Tape, Steel Wire, Single Sheath



Fiber Type
Attenuation at 850 nm
Attenuation at 1300 nm

MM OM3
Max. 2.3 dB/km
Max. 0.6 dB/km

Application

Self-support outdoor cable used for aerial installation

General Construction

Central loose tube gel filled, Water blocking material, Corrugated steel, Single outer sheath, Metal strengthen member.



Cable Design

Cable Type	Self-Supporting aerial outdoor
Fiber Type	Multi-Mode OM3
Outer Sheath Material	MDPE
Color	Black
Outer Sheath Thickness	1.6 mm ± 0.1
Number of Loose Tubes	1
Number of fibers per loose tube	Up to 12 fibers
Loose Buffer Tube	PBT (Polybutylene terephthalate)
Filling Compound in Loose Tube	Thixotropic Jelly Compound
Tube Outer Diameter	2,0 – 2.2 mm
Armoring	Corrugated Steel Tape
Ripcord	Yes, under outer sheath
Steel Rope Diameter	Nom. 7 X 0.8 mm
Corrugated Steel tape Thickness	0.22 – 0.25 mm
Cable Outer Diameter	5.0 x 9.5 mm
Tensile Strength (Long/Short)	200 / 1500 N
Crush Load (Long/Short)	200 / 1200 (N/100mm)
Bending Radius	20D
Operating temperature	-40 - +60 °C



Fiber Identification Colors

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

Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua

Optical Characteristics

Core / Cladding		50/125 μ
Coating diameter		250 μ
Numerical Aperture (NA)		0.200 \pm 0.015
Step (mean to bidirectional measurement)		\leq 0.10 dB
Difference Backscatter coefficient (Bidirectional measurement)		\leq 0.08 dB / km
Effective Modal Bandwidth @ 850nm (MHz.km)		\geq 2000
Attenuation	850nm	\leq 2.3dB
	1300nm	\leq 0.6dB
OFL Bandwidth (MHz.km)	850nm	\geq 1500
	1300nm	\geq 500

Cable Marking

PAMIX ASLT-SS01 Aerial Fiber Cable Central Loose Tube Steel Rope <Product Number>
<Number of fiber cores> MM OM3 <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
Bend Test	IEC 60794-1-2 E11B
Temperature Cycling Test	IEC 60794-1-2 F1
Water Penetration Test	IEC 60794-1-2 F5
Drip Test	IEC 60794-1-2 E14
Mode Field Diameter	IEC 60793-1-45
Mode Field Core / Clad Connectivity	IEC 60793-1-20
Cladding Diameter	IEC 60793-1-20
Cladding Non Circularity	IEC 60793-1-20
Attenuation Coefficient	IEC 60793-1-40
Chromatic Dispersion	IEC 60793-1-42
Cut-off Wavelength	IEC 60793-1-44

Warranty

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



Ordering Information

Description	Art. Number
PAMIX ASLT-SS01 Aerial Figure 8 Fiber cable 4 cores, MM OM3, single jacket, Steel Tape, Steel Rope	1012850
PAMIX ASLT-SS01 Aerial Figure 8 Fiber cable 6 cores, MM OM3, single jacket, Steel Tape, Steel Rope	1012851
PAMIX ASLT-SS01 Aerial Figure 8 Fiber cable 8 cores, MM OM3, single jacket, Steel Tape, Steel Rope	1012852
PAMIX ASLT-SS01 Aerial Figure 8 Fiber cable 12 cores, MM OM3, single jacket, Steel Tape, Steel Rope	1012853