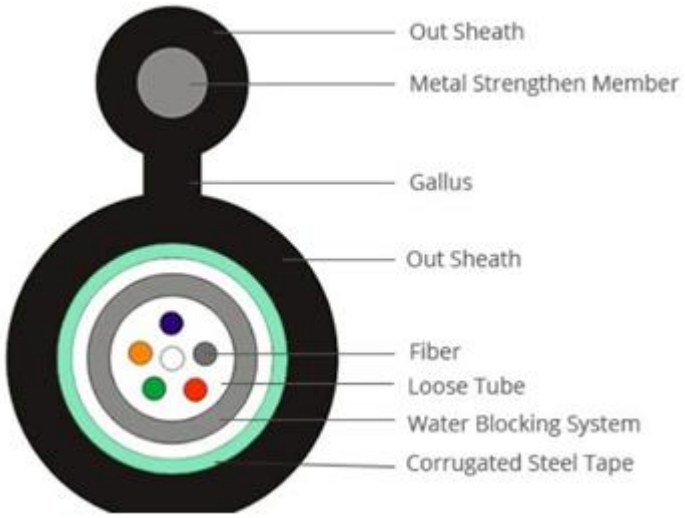
Aerial Figure 8 Optical Fiber Outdoor Cable

ASLT-SS05 Central Loose Tube, Corrugated Steel Tape, Steel Wire, Single Sheath



Fiber Type	SM G652D
Attenuation at 1310 nm	≤ 0.36 dB/km
Attenuation at 1383 nm	≤ 0.32 dB/km
Attenuation at 1550 nm	≤ 0.21 dB/km
Attenuation at 1625 nm	≤ 0.24 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	SM G652D
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		9/125 µm
Coating diameter		250 µm
Zero Dispersion Wavelength		1300-1324 nm
Zero Dispersion Slope		≤ 0.092 ps/(nm².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
Point discontinuity @ 1310nm & 1550nm		≤ 0.05dB
Attenuation Uniformity		≤ 0.05dB/km
Attenuation coefficient difference for bi-directional measurement		≤ 0.05dB/km
Attenuation	1310nm	≤ 0.36dB
	1383nm	≤ 0.32dB
	1550nm	≤ 0.21dB
	1625nm	≤ 0.24dB
Dispersion	1285 – 1340 nm	-3.0-3.0 ps/(nm.km)
	1550nm	≤ 18 ps/(nm.km)
	1625nm	≤ 22 ps/(nm.km)

Cable Marking

PAMIX ASLT-SS05 Aerial Fiber Cable Central Loose Tube Steel Rope <Product Number> <Number of fiber cores> SM G652D <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-SS05 Aerial Figure 8 Fiber cable 4 cores, SM, single jacket, Steel Tape, Steel Rope	1012850
PAMIX ASLT-SS05 Aerial Figure 8 Fiber cable 6 cores, SM, single jacket, Steel Tape, Steel Rope	1012851
PAMIX ASLT-SS05 Aerial Figure 8 Fiber cable 8 cores, SM, single jacket, Steel Tape, Steel Rope	1012852
PAMIX ASLT-SS05 Aerial Figure 8 Fiber cable 12 cores, SM, single jacket, Steel Tape, Steel Rope	1012853