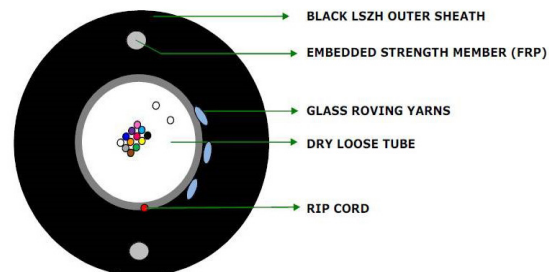


Outdoor Unitube Single Sheath Non-metal 9/125 μ m OS2 Metal Free Dry Cable >

Cable containing up to 12 optical fibers in water blocked unitube with water swellable yarn, LSZH outer sheathed embedded with two FRP wires on the periphery.



SPECIFICATIONS

Commercial Standards

ISO/IEC 11801 - 2nd Edition OS2; AS/ACIF S008; AS/NZS 3080, EIA/TIA 568.3-D, ITU G.652D

RoHS Compliant

Supports 10G data applications

Mechanical

Construction Details

Number of elements: 1

Tube Identification: Single tube, 2.5mm Nominal O.D.

Fiber protection(Tube) : Polybutylene Terephthalate (PBT)

Strength Member: FRP & Glass Yarn

Water Blocking: Water swellable Yarn

Outer Sheath: LS0H - Black, UV stabilized

Outer Sheath thickness : 2.0 mm (nominal)

Dimensions and Mass

Overall Cable (Nominal): 7.0 \pm 0.5mm

Mass (Nominal): 60 kg/km \pm 10%

Standard length: 2 km \pm 5%

Max. Bending Radius (during full load): 20D; D is OD

Max. Tensile Strength-Short Term: 800N

Min. Crush Resistance: 2000N/10 cm

Operating Temperature range: -30°C \pm 75°C

Physical

Core Diameter: 9.1 \pm 0.4 μ m

Cladding Diameter: 125 \pm 1.0 μ m

Coating Diameter: 245 \pm 10 μ m

Coating cladding Concentricity Error: \leq 12.0 μ m

Optical

Max. Attenuation in cable:

At 1310 nm: 0.38dB/km

At 1550 nm: 0.25dB/km

Chromatic Dispersion:

1285-1330nm: \leq 3.5 ps/nm.km

1550nm: \leq 18.0 ps/nm.km

Zero Dispersion Wavelength: 1302 to 1324nm

Zero Dispersion Slope: \leq 0.092 ps/nm².km

Cable cut-off wavelength: \leq 1260 nm

Mode Field Diameter at 1310nm: 9.1 \pm 0.4 μ m

Core clad Concentricity Error: \leq 0.6 μ m

Cladding Non Circularity: \leq 1 %

Polarization mode dispersion: \leq 0.2ps/ \sqrt km

ORDERING INFORMATION

Order No.	SAP No.	Description
ZFOUZXXXOS2-D	Consult Molex	2-12 Core, Out/Indoor, Loose Tube Metal Free, 9/125 μ m, OS2 Type Dry Fiber Cable, LSZH Sheath

www.molex.com/products/fiber/cables/