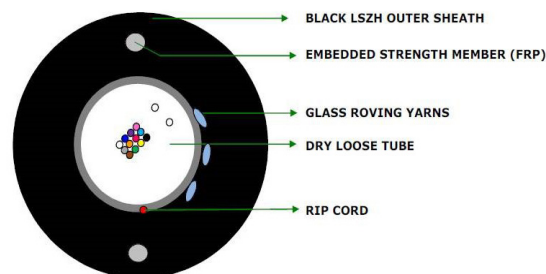


Outdoor Unitube Single Sheath Non-metal 9/125 μ m G.657A1 Metal Free Dry Cable

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; AS/ACIF S008; AS/NZS 3080, EIA/TIA 568.3-D, ITU G.657A1

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: LSZH - 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/v/km

ORDERING INFORMATION

Order No.	SAP No.	Description
ZFOUZXXX7A1-D	Consult Molex	2-12 Core, Out/Indoor, Loose Tube Metal Free, 9/125 μ m, G.657A1 Type Dry Fiber Cable, LSZH Sheath

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