



Product: [GSWH824](#)

Outdoor OFC MLT: GLASS YARNS + ALPOL-PE + SWA + PE with 6 Tubes of Ø1.9mm 24f SM OS2 G.652.D & G.657.A1.

Product Description

Outdoor dry core optical fiber Multi Loose Tube cable with glass yarns as strength member, moisture barrier (laminate layer of aluminum with high density polyethylene), Steel Wire Armouring (Full Rodent Protected) armor and polyethylene outer jacket. Product feature: This cable has improved rodent protection by Steel Wire Armouring (Full Rodent Protected). Existing out of 6 tubes with a diameter of 1.9mm with 24 fibers (2t x 12f) SM OS2 G.652.D & G.657.A1.

Technical Specifications

Product Overview

Suitable Applications:	For outdoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and trenches and/or tubes. Suitable for Direct Burial.
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Fiber Specifications

Fiber Type:	OS2
Fiber Grade acc. ITU-T:	G.652D & G.657A1
Fiber Count:	24
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Cable Construction

Number of Active Subunits:	2
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	1.9 mm
Subunit Color:	TIA coding (Gxxxxxx.T): Blue, Orange
Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblocking Aramid Yarns + Tape

Inner Jacket Specifications

Material:	PE - Polyethylene
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Outer Jacket Specifications

Jacket Material:	PE - Polyethylene
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Optical Characteristics

Wavelength	1310 nm	1550 nm	1625 nm
Max. Attenuation	0.39 dB/km	0.24 dB/km	0.29 dB/km

Mechanical Characteristics

Min. Bend Radius During Installation:	275 mm
Min. Bend Radius During Operation:	275 mm
Max. Tensile Strength During Installation:	2700 N (610 lbf)
Max. Tensile Strength During Operation:	900 N (200 lbf)

Mechanical Tests

Description	Tested Standard	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	IEC 60794-3-10
Cable Impact Resistance	IEC 60794-1-21-E4	IEC 60794-3-10
Cable Torsion Resistance	IEC 60794-1-21-E7	IEC 60794-3-10

Bulk Cable Weight:	360 kg/km (240 lbs/1000ft)
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Temperature Range

Installation Temperature Range:	-5 °C to +50 °C
Operating Temperature Range:	-30 °C to +70 °C
Storage Temperature Range:	-30 °C to +70 °C

Standards and Compliance

Environmental Suitability:	Outdoor
ISO/IEC Compliance:	IEC 60794ISO/IEC 11801-1

History

Update and Revision:	Revision Number: 0.18 Revision Date: 10-11-2024
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