



Product: [GAAF844](#)

Outdoor (ADSS) OFC MLT: ARAMID + PE with 12 Tubes of Ø2.5mm 144f SM OS2 G.652.D & G.657.A1.

Product Description

Outdoor dry core (ADSS) optical fiber Multi Loose Tube cable with aramid yarns as strength member and polyethylene outer jacket. Product feature: This cable has all dielectric and self-supporting properties. Existing out of 12 tubes with a diameter of 2.5mm with 144 fibers (12t x 12f)SM OS2 G.652.D & G.657.A1.

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
Environmental Space:	Outdoor
Suitable Applications:	All dielectric self-supporting cable (ADSS) for Outdoor use. Particularly suitable for installation between poles with a max span of 150m. Initial sag at 20°C: 1% of span.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G.652D & G.657A1	144	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Fiber Color Coding:		TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua	
Central Strength Member:		GRP	
Cable Core Water Tight:		Yes	
Cable Core Waterblocking:		Waterblocking Aramid Yarns + Tape	
Bulk Cable Weight:		192 kg/km	

SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
Subunit Diameter:	2.5 mm
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter	Ripcord
PE - Polyethylene	Black	17.0 mm	Yes

Optical Characteristics

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

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	340 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	340 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3600 N (809 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1200 N (270 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10

Temperature Range

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

Standards

UL Rating/Flame Test:	Non-UL Rated
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

History

Update and Revision:	Revision Number: 0.35 Revision Date: 09-17-2024
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