



**Product:** [GBAF216](#) 

Outdoor OFC MLT: ARAMID + PE with 12 Tubes of Ø2.5mm 216f MM OM2.

## Product Description

Outdoor dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member and polyethylene outer jacket. Existing out of 12 tubes with a diameter of 2.5mm with 216 fibers (9t x 24f) MM OM2.

## Technical Specifications

### Product Overview

Construction Type:	Multi Loose Tube
Environmental Space:	Outdoor
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.

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color
OM2	216	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR, GY, WT, RD, BK, YL, VT, PK, AQ	
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:	9
Number of Subunit Positions:	12
Fibers Per Subunit:	24
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 1300 nm:	0.9 dB/km
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Max. Attenuation at 850 nm:	2.9 dB/km
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## 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 60794-1-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

### History

Update and Revision:	Revision Number: 0.32 Revision Date: 01-09-2024
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