



**Product:** [GAAG830](#) 

Outdoor (ADSS) OFC MLT: ARAMID + PE with 6 Tubes of Ø1.9mm 30f 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 6 tubes with a diameter of 1.9mm with 30 fibers (5t x 6f) 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	30	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White
Central Strength Member:	GRP
Cable Core Water Tight:	Yes
Cable Core Waterblocking:	Waterblocking Aramid Yarns + Tape
Bulk Cable Weight:	72 kg/km

### SubUnit Specifications

Number of Active Subunits:	5
Number of Subunit Positions:	6
Fibers Per Subunit:	6
Subunit Diameter:	1.9 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	10.3 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	206 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	206 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2550 N (573 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	850 N (191 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: 0.46 Revision Date: 12-12-2023
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