Product: GOWB216

Outdoor Double Jacket Central Loose Tube Steel Wire Armour 16 Fibers OM2

Product Description

Outdoor Steel Wire Armour Double Jacket Rodent Protection Central Loose Tube Optical Cable 16 x 50/125-OM2-BI A-DQ(ZN)2Y(SR)2Y

Technical Specifications

Product Overview

Construction Type:	Central 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	16	TIA coding (Gxxxxxx.T): Natural

Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR
Cable Core Water Tight:	Yes
Cable Core Waterblocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	268 kg/km

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
Subunit Diameter:	4.2 mm
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Steel Wire

Inner Jacket

Nom. Diameter:	8.7 mm
Material:	PE - Polyethylene

Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter	Ripcord
PE - Polyethylene	Black	13.5 mm	Yes

Optical Characteristics

Fiber Core Diameter:	50 µm

Max. Attenuation at 1300 nm:	1.0 dB/km
Max. Attenuation at 850 nm:	2.9 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	270 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	135 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3750 N (843 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1250 N (281 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	22 kN/m	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	11 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: 0.29 Revision Date: 09-17-2024