Product: NVMU12BA002BKAA

Outdoor OFC CLT (jelly filled): GLASS YARNS + Single PE Jacket with Steel Wire Embedded with 1 Tube of Ø3.0mm 2 Fibers

Product Description

Outdoor optical fiber Central Loose Tube (jelly filled tube) cable with glass yarns as flexible non-metallic strength member, Single Polyethylene Jacket with Two Steel Wires Embedded, 2 Fibers

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, trenches, and/or tubes.

Fiber Specifications

Fiber Type:	OS2
Fiber Grade acc. ITU-T:	G652.D
Fiber Core Diameter:	9/125 µm
Fiber Diameter:	250 µm
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	2
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	3.0 mm
Subunit Color:	Natural
Cable Core Waterblocking:	Waterblocking Glass Yarns

Outer Jacket Specifications

Jacket Material:	PE - Polyethylene
Nom. Diameter:	9 mm (0.35 in)
Color:	Black

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.36 dB/km	0.22 dB/km
Mode Field Diameter	9.2 µm	10.4 µm

Mechanical Characteristics

Min. Bend Radius During Installation:	180 mm
Min. Bend Radius During Operation:	135 mm
Max. Tensile Strength During Installation:	1500 N (340 lbf)
Max. Tensile Strength During Operation:	600 N (130 lbf)
Crush Resistance:	1000 N/100mm

Mechanical Tests

Description	Tested Standard
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3

Bulk Cable Weight:	85 kg/km (57 lbs/1000ft)

Temperature Range

Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Outdoor, UV Resistance
TIA/EIA Compliance:	TIA/EIA-455
ISO/IEC Compliance:	IEC 60794-1-1
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

Product Notes

Notes:	Embedded Strength Member : Two Parallel Steel Wires; Cable can pass UV Resistance test as per IEC 60794-1-22-F14.

History

Update and Revision:	Revision Number: 0.37 Revision Date: 12-07-2023