



Product: [MDBU12AA024YEAA](#)

Indoor Mini-distribution 24 Fibers OS2

Product Description

Indoor Mini-distribution fiber cable, OS2, 24F, LSZH Jacket, IEC 60332-3-24

Technical Specifications

Product Overview

Construction Type:	Mini Distribution
Environmental Space:	Indoor
Suitable Applications:	High degree of flexibility suitable for horizontal, interconnect applications; Excellent LSZH flame retardant performance for indoor application

Construction

Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color
OS2	24	Yellow

Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Central Strength Member:	GRP
Bulk Cable Weight:	36 kg/km

SubUnit Specifications

Number of Active Subunits:	2
Subunit Diameter:	2.0 mm

Physical Specifications

Number Of Fillers @Stranding1:	2
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Jacket Specifications

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

Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.5 mm	0.65 mm

Optical Characteristics

Mode Field Diameter at 1310 nm:	9.2 μ m
Mode Field Diameter at 1550 nm:	10.4 μ m
Fiber Core Diameter:	9 μ m
Max. Attenuation at 1550 nm:	0.22 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E11	20 x Cable OD
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	10 x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	660 N (148 lbf)
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	200 N (45 lbf)
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	1000 N/100mm

Temperature Range

Operating Temp Range:	-20 °C to +60 °C
Storage Temp Range:	-20 °C to +60 °C

Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-3-24
TIA/EIA Compliance:	EIA/TIA-455
ISO/IEC Compliance:	IEC 60793, IEC 60794-1
EU Directive 2011/65/EU (RoHS 2):	Compliant

History

Update and Revision:	Revision Number: 0.32 Revision Date: 05-09-2022
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