



Product: [DKAG12MA012BEAA](#)

OS2, MLT, Dry Core, FRP Armored, double PE & Nylon Jacket OFC

Product Description

OS2, MLT, Dry Core –Inner HDPE & Nylon Sheath, Flat FRP Armored, Outer HDPE & Nylon Sheath, All Dielectric Optical Fiber Cable, Termite & Rodent Resistant

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 and trenches and/or tubes. Suitable for Direct Burial.
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Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	12

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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Buffer Specification

Buffer Material
Buffer Tube Material:Thermoplastic Material (PBT), Buffer Tube Filling Material: Synthetic Thixotropic Gel

Cable Core Waterblocking:	Waterblocking Yarns + Tape
Bulk Cable Weight:	165 kg/km

Inner Jacket

Material:	PE - Polyethylene
Material@InnerJacket2:	Nylon

Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter
PE - Polyethylene	13.5 mm
Nylon	

Table Notes:	Armor Type: Flat Fiber Reinforced Plastic Rod
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Optical Characteristics

Mode Field Diameter at 1310 nm:	9.2 μm
Mode Field Diameter at 1550 nm:	10.4 μm
Max. Attenuation at 1310 nm:	0.36 dB/km
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	30 x OD
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	15 x OD
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	4000 N (899 lbf)
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1200 N (270 lbf)

Temperature Range

Operating Temperature Range:	- 30 To + 70°C
Installation Temperature Range:	- 10 To + 60
Storage Temperature Range:	- 40 To + 70

Standards

ISO/IEC Compliance:	ISO/IEC 11801
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Product Notes

Notes:	Maximum Crush Resistance for Short Term: 4000N/100mm, Duration: 1min, Maximum Crush Resistance for Long Term: 2000N/100mm, Duration: 10min
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History

Update and Revision:	Revision Number: 0.32 Revision Date: 04-23-2025
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