



Product: [DKAG53MA012BEAA](#)

OM3, MLT, Dry Core, FRP Armored, double PE & Nylon Jacket OFC

Product Description

OM3, 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
OM3	12

Fiber Color Coding:	TIA coding (Gxxxxxx.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
PE - Polyethylene
Nylon

Table Notes:	Armor Type: Flat Fiber Reinforced Plastic Rod Cable Overall Diameter: 13.5mm
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Optical Characteristics

Max. Attenuation at 1300 nm:	1.0 dB/km
Max. Attenuation at 850 nm:	3.0 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)
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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:	Jacket: Inner HDPE & Nylon sheath(black), Outer HDPE & Nylon sheath (blue), Armor Type and Material: Flat Fiber Reinforced Plastic Rod, 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: 0.18 Revision Date: 04-15-2025
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