



Product: [NOXU54MA008BKAA](#) 

Universal OFC MLT: Gel Filled Tubes (4F/T), Gel Filled Core, PE Inner Jacket (black) + CST + LSZH Outer Jacket (black) 8f MM OM4 IEC 60332-1 rated.

Product Description

Universal (Indoor/Outdoor) Gel filled tubes (4F/T), Gel filled core, optical fiber Multi Loose Tube cable with Polyethylene inner jacket (black), Corrugated Steel Tape armor and Low Smoke Zero Halogen outer jacket (black), 8 fibers MM OM4 IEC 60332-1 rated.

Technical Specifications

Product Overview

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|------------------------|---|
| Product Category: | Fiber Multi-Loose Tube Cable |
| Suitable Applications: | For outdoor/indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone cabling. For outdoor/indoor 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. |

Fiber Specifications

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|----------------------|----------------------------------|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50 µm |
| Fiber Diameter: | 125 µm |
| Buffer Material: | PBT – Polybutylene Terephthalate |
| Fiber Count: | 8 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|--|
| Number of Active Subunits: | 2 |
| Number of Fillers: | 6 |
| Fibers Per Subunit: | 4 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 2.1 mm |
| Subunit Color: | Blue, Orange, Filler, Filler, Filler, Filler, Filler, Filler |
| Central Strength Member: | GRP |
| Cable Core Waterblocking: | Gel Filled |

Inner Jacket Specifications

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|-----------|-------------------|
| Material: | PE - Polyethylene |
| Color: | Black |

Armor Specifications

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|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
|--------------------------|-----------------------------|

Outer Jacket Specifications

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| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 15.8 mm (0.622 in) |
| Color: | Black |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|------------------|-----------|-----------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |

Mechanical Characteristics

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| Min. Bend Radius During Installation: | 25 x Cable OD |
| Min. Bend Radius During Operation: | 12.5 x Cable OD |
| Max. Tensile Strength During Installation: | 3000 N (670 lbf) |
| Max. Tensile Strength During Operation: | 1000 N (220 lbf) |
| Crush Resistance: | 3000N/100mm |

Mechanical Tests

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

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|--------------------|----------------------------|
| Bulk Cable Weight: | 330 kg/km (220 lbs/1000ft) |
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Temperature Range

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

Standards and Compliance

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|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Aerial, Burial |
| Flammability / Reaction to Fire: | IEC 60332-1-2 |
| ISO/IEC Compliance: | IEC 60793-1-1IEC 60794-1-1 |
| European Directive Compliance: | EU Directive 2011/65/EU (RoHS 2) |

History

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| Update and Revision: | Revision Number: 0.38 Revision Date: 01-16-2024 |
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