



Part Number: GOSN208

Outdoor Central Loose Tube 08 Fibers OM2

Product Description

Outdoor Rodent Protection Central Loose Tube Optical Cable 08 x 50/125-OM2 A-DQ(ZN)B2Y

Technical Specifications

| | |
|--------------------|--------------------|
| Construction Type: | Central Loose Tube |
|--------------------|--------------------|

Product Overview

| | |
|------------------------|--|
| Environmental Space: | Outdoor |
| Suitable Applications: | For outdoor use in structured (data) wiring systems such as campus backbone. For outdoor use in networks for telecom, cable TV and/or broadcast. Suitable for direct burial. Easy to install in ducts, tunnels and trenches. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count | Subunit Color | Subunit Color 2 |
|----------------------------|---|--------------------------------|-----------------------------------|
| OM2 | 8 | TIA coding (Gxxxxx.T): Natural | Europe coding (Gxxxxx.0): Natural |
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black | | |
| Fiber Color Coding 2: | Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black | | |
| Cable Core Water Tight: | Yes | | |
| Cable Core Water Blocking: | Waterblocking Glass Yarns | | |
| Bulk Cable Weight: | 28 kg/km | | |

SubUnit Specifications

| | |
|------------------------------|------------|
| Number of Active Subunits: | 1 |
| Number of Subunit Positions: | 1 |
| Fibers Per Subunit: | 8 |
| SubUnit Diameter: | 3.3 mm |
| SubUnit Waterblocking: | Gel Filled |

Jacket Specifications

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

Outer Jacket Material

| Material | Color | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|-------------------|-------|------------------|------------------------|---------|
| PE - Polyethylene | Black | 5.8 mm | 0.8 mm | 0 |

Optical Characteristics

| | |
|-----------------------------|-----------|
| Fiber Core Diameter: | 50 µm |
| Max Attenuation at 1300 nm: | 1.0 dB/km |
| Max Attenuation at 850 nm: | 2.9 dB/km |

Mechanical Characteristics

Mechanical Tests

| Description | Tested Standard | Requirement/Value | According to Family Specification |
|---|--------------------|-------------------|-----------------------------------|
| Cable Min. Bend Radius Installation (Short Term) | IEC 60794-1-21-E6 | 116 mm | IEC 60794-3-10 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 58 mm | IEC 60794-3-10 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 1250 N (281 lbf) | IEC 60794-3-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 420 N (94 lbf) | IEC 60794-3-10 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 15 kN/m | IEC 60794-3-10 |
| Cable Max. Crush Resistance Operation (Long Term) | IEC 60794-1-21-E3 | 7.5 kN/m | IEC 60794-3-10 |

Temperature Range

| | |
|--------------------------|------------------|
| Operating Temp Range: | -30 °C to +70 °C |
| Installation Temp Range: | -5 °C to +50 °C |
| Storage Temp Range: | -30 °C to +70 °C |

Standards

| | |
|------------------------------------|--------------|
| UL Rating/Flame Test: | Non-UL Rated |
| REACH: | Compliant |
| ISO/IEC Compliance: | IEC 60794 |
| EU Directive 2011/65/EU (ROHS II): | Compliant |
| UV/ Sunlight Protection: | yes |

History

Variants

| Item # | Color | Length |
|----------------|-------|---------|
| GOSN208.002100 | Black | 2,100 m |
| GOSN208.004100 | Black | 4,100 m |

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| Update and Revision: | Revision Number: 0.81 Revision Date: 09-09-2019 |
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