



Product: [GUCN108](#) 

Indoor/Outdoor Central Loose Tube Corrugated Steel Tape armour 08 Fibers OM1

Product Description

Universal (Indoor/Outdoor) Corrugated Steel Tape Armour Rodent Protection Central Loose Tube Optical Cable 08 x 62.5/125-OM1 A/I-DQ(ZN)(SR)H

Technical Specifications

Product Overview

| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction Type: | Central Loose Tube |
| Environmental Space: | Indoor/Outdoor - Euroclass Dca |
| Suitable Applications: | For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and 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. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count | Subunit Color | Subunit Color 2 |
|----------------------------|------------------------------------------------------------------------------------|---------------------------------|------------------------------------|
| OM1 | 8 | TIA coding (Gxxxxxx.T): Natural | Europe coding (Gxxxxxx.0): Natural |
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black | | |
| Fiber Color Coding 2: | Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black | | |
| Cable Core Water Tight: | Yes | | |
| Cable Core Water Blocking: | Waterblocking Glass Yarns + Tape | | |
| Bulk Cable Weight: | 104 kg/km | | |

SubUnit Specifications

| | |
|------------------------|------------|
| Subunit Diameter: | 3.3 mm |
| Subunit Waterblocking: | Gel Filled |

Jacket Specifications

| | |
|--------------------|-----------------------|
| Number of Jackets: | Single Jacket |
| Type of Armor: | Corrugated Steel Tape |

Outer Jacket

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 9.0 mm | 1.55 mm | 1 |
| Table Notes: | Standard color: Black. Available colors: Black, Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Lime Green | | |

Optical Characteristics

| | |
|-----------------------------|-----------|
| Fiber Core Diameter: | 62.5 µm |
| Max Attenuation at 1300 nm: | 1.2 dB/km |
| Max Attenuation at 850 nm: | 3.4 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 | 180 mm | IEC 60794-3-10 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 180 mm | IEC 60794-3-10 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 2400 N (540 lbf) | IEC 60794-3-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 800 N (180 lbf) | IEC 60794-3-10 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 22 kN/m | IEC 60794-3-10 |
| Cable Max. Crush Resistance Operation (Long Term) | IEC 60794-1-21-E3 | 11 kN/m | IEC 60794-3-10 |

Temperature Range

| | |
|--------------------------|------------------|
| Operating Temp Range: | -30 °C to +55 °C |
| Installation Temp Range: | -5 °C to +50 °C |
| Storage Temp Range: | -30 °C to +55 °C |

Standards

| | |
|------------------------------------------------------------|--------------------------------------------|
| UL Rating/Flame Test: | Non-UL Rated |
| IEC Flammability: | IEC 60332-1-2 |
| Resistance to Fire - Circuit Integrity: | IEC 60331-25-E120 / EN 50200-PH120 ANNEX E |
| IEC 60754-1 - Halogen Amount: | Zero |
| IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity: | 10 µS/mm |
| IEC 60754-2 - Halogen Acid Gas Amount - Min. pH: | 4.3 |
| IEC 61034-2 - Smoke Density Min. Transmittance: | 80% |
| CPR Euroclass: | Dca-s1,d1,a1 |
| REACH: | Compliant |
| IEC Compliance: | IEC 60794 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | yes |

Part Number

Variants

| Item # | Color | Putup Type | Length | EAN |
|-----------------|-------|------------|---------|---------------|
| GU CN108.002100 | Black | Reel | 2,100 m | 8719605079763 |

History

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|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.126 Revision Date: 03-16-2021 |
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