



Product: [GOCN812](#) 

Outdoor Central Loose Tube Corrugated Steel Tape armour 12 Fibers
G652D/G657A1-OS2

Product Description

Outdoor Corrugated Steel Tape Armour Rodent Protection Central Loose Tube Optical Cable 12 x 9/125-G652D/G657A1-OS2 A-DQ(ZN)(SR)2Y

Technical Specifications

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

Product Overview

| | |
|------------------------|---|
| Environmental Space: | Outdoor |
| 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. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Grade acc. ITU-T | Fiber Count | Subunit Color | Subunit Color 2 |
|------------|------------------------|-------------|--------------------------------|-----------------------------------|
| OS2 | G652D & G657A1 | 12 | 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, Yellow, Violet, Pink, Aqua |
| Fiber Color Coding 2: | Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White |
| Cable Core Water Tight: | Yes |
| Cable Core Water Blocking: | Waterblocking Glass Yarns + Tape |
| Bulk Cable Weight: | 81 kg/km |

SubUnit Specifications

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

Jacket Specifications

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

Outer Jacket Material

| Material | Color | Nominal Diameter | Ripcord |
|-------------------|-------|------------------|---------|
| PE - Polyethylene | Black | 9.0 mm | 1 |

Optical Characteristics

| | |
|-----------------------------|------------|
| Fiber Core Diameter: | 9 µm |
| Max Attenuation at 1310 nm: | 0.39 dB/km |
| Max Attenuation at 1550 nm: | 0.24 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 | 2220 N (499 lbf) | IEC 60794-3-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 740 N (166 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 +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 |
| IEC Compliance: | IEC 60794 |
| EU Directive 2011/65/EU (ROHS II): | Compliant |
| UV/ Sunlight Protection: | yes |

History

Variants

| Item # | Color | Length |
|----------------|-------|---------|
| GOCN812.002100 | Black | 2,100 m |
| GOCN812.004100 | Black | 4,100 m |

Update and Revision: Revision Number: 0.50 Revision Date: 07-03-2020

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