



**Product:** [GOCN804](#)

Outdoor Central Loose Tube Corrugated Steel Tape armour 04 Fibers  
G.652D/G.657A1-OS2

### Product Description

Outdoor Corrugated Steel Tape Armour Rodent Protection Central Loose Tube Optical Cable 04 x 9/125-G.652D/G.657A1-OS2 A-DQ(ZN)(SR)2Y

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Construction Type:     | Central Loose Tube  |
| 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        | G.652D & G.657A1       | 4           | TIA coding (Gxxxxxx.T): Natural | Europe coding (Gxxxxxx.0): Natural |

|                            |   |
|----------------------------|---|
| Fiber Color Coding:        | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown    |
| Fiber Color Coding 2:      | Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue |
| 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

##### Outer Jacket Material

| Material          | Color | Nominal Diameter | Ripcord |
|-------------------|-------|------------------|---------|
| PE - Polyethylene | Black | 9.0 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:        | 9 µm       |
| Max Attenuation at 1310 nm: | 0.40 dB/km |

|                             |            |
|-----------------------------|------------|
| Max Attenuation at 1550 nm: | 0.24 dB/km |
| Max Attenuation at 1625 nm: | 0.29 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          |

### Part Number

#### Variants

| Item #         | Color | Length  |
|----------------|-------|---------|
| GOCN804.002100 | Black | 2,100 m |
| GOCN804.004100 | Black | 4,100 m |

### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.69 Revision Date: 01-04-2021 |
|----------------------|---|

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