



Product: [GOWB824](#)

Outdoor Double Jacket Central Loose Tube Steel Wire Armour 24 Fibers  
G652D/G657A1-OS2

Product Description

Outdoor Steel Wire Armour Double Jacket Rodent Protection Central Loose Tube Optical Cable 24 x 9/125-G652D/G657A1-OS2 A-DQ(ZN)2Y(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                   |
|---------------------------|--|-------------|---------------------------------|
| OS2                       | G652D & G657A1   | 24          | TIA coding (Gxxxxxx.T): Natural |
| Fiber Color Coding:       | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR, GY, WT, RD, BK, YL, VT, PK, AQ |             |                                 |
| Cable Core Water Tight:   | Yes  |             |                                 |
| Cable Core Waterblocking: | Waterblocking Glass Yarns  |             |                                 |
| Bulk Cable Weight:        | 268 kg/km  |             |                                 |

SubUnit Specifications

|                              |            |
|------------------------------|------------|
| Number of Active Subunits:   | 1          |
| Number of Subunit Positions: | 1          |
| Subunit Diameter:            | 4.2 mm     |
| Subunit Waterblocking:       | Gel Filled |

Jacket Specifications

|                    |               |
|--------------------|---------------|
| Number of Jackets: | Double Jacket |
| Type of Armor:     | Steel Wire    |

Inner Jacket

|                |                   |
|----------------|-------------------|
| Nom. Diameter: | 8.7 mm            |
| Material:      | PE - Polyethylene |

Outer Jacket Specifications

Outer Jacket

| Material          | Color | Nominal Diameter | Ripcord |
|-------------------|-------|------------------|---------|
| PE - Polyethylene | Black | 13.5 mm          | Yes     |

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 |

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  | 270 mm            | IEC 60794-3-10                    |
| Cable Min. Bend Radius Operation (Long Term)          | IEC 60794-1-21-E11 | 135 mm            | IEC 60794-3-10                    |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1  | 3750 N (843 lbf)  | IEC 60794-3-10                    |
| Cable Max. Tensile Strength Operation (Long Term)     | IEC 60794-1-21-E1  | 1250 N (281 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 Temperature Range:    | -30 °C to +70 °C |
| Installation Temperature Range: | -5 °C to +50 °C  |
| Storage Temperature 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 2): | Compliant    |
| UV/ Sunlight Protection:          | Yes          |

Related Part Numbers

Variants

| Item #         | Color | Put-Up Type | Length  | EAN           |
|----------------|-------|-------------|---------|---------------|
| GOWB824.002100 | Black | Reel        | 2,100 m | 8719605079138 |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.106 Revision Date: 11-09-2022 |
|----------------------|--|

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