



**Product:** [GUXWA04](#) 

Indoor/Outdoor Distribution Steel Wire Armour 04 Fibers G657A1-OS2

## Product Description

Universal (Indoor/Outdoor) Steel Wire Armour Mini Breakout Rodent Protection Tight Optical Cable 04 x 9/125-G657A1-OS2 A/I-VQ(ZN)H(SR)H

## Technical Specifications

|                    |              |
|--------------------|--------------|
| Construction Type: | Distribution |
|--------------------|--------------|

## Product Overview

|                        |  |
|------------------------|--|
| Environmental Space:   | Indoor/Outdoor - Euroclass B2ca  |
| 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. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. |

## Construction

### Fiber Cable Construction

| Fiber Type | Fiber Grade acc. ITU-T | Fiber Count |
|------------|------------------------|-------------|
| OS2        | G657A1                 | 4           |

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

### Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material               | Buffer Diameter |
|------------|---------------------|-------------------------------|-----------------|
| OS2        | Tight               | LSZH - Low Smoke Zero Halogen | 0.9 mm          |

|                            |                           |
|----------------------------|---------------------------|
| Cable Core Water Tight:    | Yes                       |
| Cable Core Water Blocking: | Waterblocking Glass Yarns |
| Bulk Cable Weight:         | 237 kg/km                 |

## Jacket Specifications

|                    |                               |
|--------------------|-------------------------------|
| Number of Jackets: | Double Jacket                 |
| Type of Armor:     | Steel Wire                    |
| Material:          | LSZH - Low Smoke Zero Halogen |

### Outer Jacket Material

| Material                      | Nominal Diameter | Ripcord |
|-------------------------------|------------------|---------|
| LSZH - Low Smoke Zero Halogen | 11.4 mm          | 1       |

## Optical Characteristics

|                             |            |
|-----------------------------|------------|
| Fiber Core Diameter:        | 9 µm       |
| Max Attenuation at 1310 nm: | 0.50 dB/km |
| Max Attenuation at 1550 nm: | 0.30 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  | 216 mm           | IEC 60794-2-20 |
| Cable Min. Bend Radius Operation (Long Term)          | IEC 60794-1-21-E11 | 162 mm           | IEC 60794-2-20 |
| Cable Max. Tensile Strength Operation (Long Term)     | IEC 60794-1-21-E1  | 2320 N (522 lbf) | IEC 60794-2-20 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3  | 20 kN/m          | IEC 60794-2-20 |
| Cable Max. Crush Resistance Operation (Long Term)     | IEC 60794-1-21-E3  | 18 kN/m          | IEC 60794-2-20 |

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   |
| IEC Flammability:                     | IEC 60332-1-2  |
| Reaction to Fire - Bundle Flame Test: | IEC 60332-3-22 |
| CPR Euroclass:                        | B2ca-s1,d1,a1  |
| REACH:                                | Compliant      |
| IEC Compliance:                       | IEC 60794      |
| EU Directive 2011/65/EU (ROHS II):    | Compliant      |
| UV/ Sunlight Protection:              | yes            |

History

Variants

| Item #         | Color | Length  |
|----------------|-------|---------|
| GUXWA04.012100 | Black | 2,100 m |

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.69 Revision Date: 07-03-2020 |
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