



Product: [GNRT712](#)

Outdoor Tactical (loose jacket, ARAMID) tight buffered OFC: GLASS YARNS (impr. rodent protection) PUR jacket 8f SM G.655.C & G.655.D.

Product Description

Outdoor Tactical (loose jacket, aramid yarns) tight buffered optical fiber cable with glass yarns as strength member and improved rodent protection with Polyurethane (PUR) outer jacket. 8 fibers SM G.655.C & G.655.D.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Distribution |
| Environmental Space: | Indoor/Outdoor |
| 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. Not suitable for blown installation. |

Construction

Fiber Cable Construction

| Fiber Grade acc. ITU-T | Fiber Count |
|------------------------|-------------|
| G.655C & G.655D | 12 |

| | |
|---------------------|---|
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |
|---------------------|---|

Buffer Specification

| Buffer Construction | Buffer Material | Buffer Diameter |
|---------------------|---|-----------------|
| Tight | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm |

| | |
|---------------------------|--|
| Cable Core Water Tight: | Yes |
| Cable Core Waterblocking: | Waterblocking Aramid Yarns + Glass Yarns |
| Bulk Cable Weight: | 100 kg/km |

Jacket Specifications

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|--------------------|---------------|
| Number of Jackets: | Double Jacket |
| Type of Armor: | Non-Armored |

Inner Jacket

| | |
|-----------|--------------------|
| Color: | Black |
| Material: | PUR - Polyurethane |

Outer Jacket Specifications

Outer Jacket

| Material | Color | Nominal Diameter | Ripcord |
|--------------------|-------|------------------|---------|
| PUR - Polyurethane | Black | 11.0 mm | Yes |

| | |
|--------------|---|
| Table Notes: | Standard color: Black. Available colors: Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Black, Lime Green |
|--------------|---|

Optical Characteristics

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|------------------------------|------------|
| Max. Attenuation at 1550 nm: | 0.31 dB/km |
| Max. Attenuation at 1625 nm: | 0.51 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 | 88.0 mm | IEC 60794-2-20 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 44.0 mm | IEC 60794-2-20 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 1000 N (225 lbf) | IEC 60794-2-20 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 5 kN/m | IEC 60794-2-20 |
| Cable Max. Crush Resistance Operation (Long Term) | IEC 60794-1-21-E3 | 3 kN/m | IEC 60794-2-20 |

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 |
| 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 |
| REACH: | Compliant |
| ISO/IEC Compliance: | IEC 60794, ISO/IEC 11801-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | Yes |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.15 Revision Date: 09-17-2024 |
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