



Product: [NTBL12AA002YEA](#)

2F SM G652.D Fiber Optic - Tight Buffer - LSZH Jacket - Indoor IEC60332-3C

Product Description

2 optical fibers, Single Mode G652.D, 900µm LSZH tight buffer, stranded together with aramid yarn reinforcing, LSZH jacket for indoor applications-IEC 60332-3C rated

Technical Specifications

Product Overview

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|------------------------|--|
| Suitable Applications: | High degree of flexibility suitable for backbone, horizontal, inner-and inter-building installations; Excellent LSZH flame retardant performance for indoor application. |
|------------------------|--|

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|--------------|-------------|
| OS2, G.652.D | 2 |

| | |
|---------------------|--------------|
| Fiber Color Coding: | Blue, Orange |
|---------------------|--------------|

Buffer Specification

| Buffer Construction | Buffer Material | Buffer Diameter |
|---------------------|-------------------------------|-----------------|
| Tight | LSZH - Low Smoke Zero Halogen | 900 µm |

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| Bulk Cable Weight: | 11.3 kg/km |
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Jacket Specifications

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|--------------------|---------------|
| Number of Jackets: | Single Jacket |
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Outer Jacket Specifications

Outer Jacket

| Material | Nominal Diameter |
|---|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 3.2 mm |

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| Color: | Yellow |
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Optical Characteristics

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|------------------------------|------------|
| Fiber Core Diameter: | 9 µm |
| Max. Attenuation at 1310 nm: | 0.35 dB/km |
| Max. Attenuation at 1550 nm: | 0.22 dB/km |

Mechanical Characteristics

Mechanical Tests

| Description | Requirement/Value |
|---|-------------------|
| Cable Min. Bend Radius Installation (Short Term) | 64 mm |
| Cable Min. Bend Radius Operation (Long Term) | 32 mm |
| Cable Max. Tensile Strength Installation (Short Term) | 660 N (148 lbf) |
| Cable Max. Tensile Strength Operation (Long Term) | 200 N (45 lbf) |
| Cable Max. Crush Resistance Installation (Short Term) | 1000 N/100mm |
| Cable Max. Crush Resistance Operation (Long Term) | 300 N/100mm |

Temperature Range

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|-----------------------|------------------|
| Operating Temp Range: | -20 °C to +60 °C |
| Storage Temp Range: | -20 °C to +60 °C |

Standards

| | |
|-----------------------------------|--------------|
| IEC Flammability: | IEC 60332-3C |
| ISO/IEC Compliance: | IEC 60794-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | No |

History

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| Update and Revision: | Revision Number: 0.30 Revision Date: 04-08-2022 |
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