2 Fiber Tight Buffer Zipcord Cable - OFNR/FT4

CABLE CONSTRUCTION
Each optical fiber will be covered with a non-halogenated elastomer to an outside diameter (OD) of 900 ± 50μm. The tight buffer fiber colors will be blue and orange. Each 900μm tight buffered optical fiber is surrounded by dielectric strength elements, and covered by an orange flame retardant jacket joined together.

OPTICAL FIBERS
Fiber Type: Radiation Resistant
: 62.5/125 μm Multimode
Applicable Specification: TIA/EIA 492AAAA
: IEC 60793-2-10

KEY OPTICAL ATTRIBUTES
Core Diameter: 62.5 ± 2.5 μm
Cladding Diameter: 125.0 ± 1 μm
Coating Diameter: 242 ± 7 μm
Core/Cladding Concentricity Error: ≤ 1.5 μm
Core Non-Circularity: ≤ 6%
Cladding Non-circularity: ≤ 1%
Numerical Aperture: 0.275 ± 0.015
Typical Group Index @ 850 nm: 1.496
Typical Group Index @ 1300 nm: 1.491

ATTENUATION PERFORMANCE
: ≤ 3.5 dB/Km @ 850nm
: ≤ 1 dB/Km @ 1300nm

BANDWIDTH PERFORMANCE
: > 200 MHz●km @ 850nm
: > 500 MHz●km @ 1300nm

Part Number: S705T-02F-62N3

Prysmian Cables & Systems
USA, LLC
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Phone: 800-879-9862 Fax: 828-459-8444

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**CABLE DIMENSIONS/WEIGHT**

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<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Cable Diameter - minor axis</td>
<td>2.9 mm (0.113 in) nominal</td>
</tr>
<tr>
<td>Cable Diameter – major axis</td>
<td>6.25 mm (0.246 in)</td>
</tr>
<tr>
<td>Cable Weight (nominal)</td>
<td>14.5 (9.7) kg/km (lbs/1000 ft)</td>
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</tbody>
</table>

**MECHANICAL PROPERTIES**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Maximum Installation Tension</td>
<td>220 N (50 lbs)</td>
</tr>
<tr>
<td>Maximum Operating Tension</td>
<td>66 N (15 lbs)</td>
</tr>
<tr>
<td>Minimum Bend Radius Installation</td>
<td>5.8 cm (2.3 in)</td>
</tr>
<tr>
<td>Minimum Bend Radius Operating</td>
<td>2.9 cm (1.2 in)</td>
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**ENVIRONMENTAL PROPERTIES**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Storage Temperature</td>
<td>-40ºC to +80ºC</td>
</tr>
<tr>
<td>Installation Temperature</td>
<td>-10ºC to +60ºC</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20ºC to +80ºC</td>
</tr>
</tbody>
</table>

**FLAME LISTING**

IEEE 383-1974; Type OFNR (NEC Article 770) / FT4 (CSA)

**DESIGN AND TEST CRITERIA**

UL 1666
IEEE 383-1974
RoHS Compliant
Telcodia GR-409 Issue 1

**QA STANDARDS**

ISO 9001, 10CFR50 Appendix B

**SURFACE PRINT**

The outer jacket shall be printed as follows:

```
[ft] DRAKA OPTICAL CABLE [date] 2F 62.5/125 C(ETL)US OFNR FT4 3076737
IEEE 1202 [lo number] S705T-02F-62N3

Print Legend
[ft] = sequential length markings in ft
[date] = date of manufacture in "XX/YY" where "XX" = month and "YY" = year. Example: March 2012 = "03/12"
[lo number] = production order number
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<table>
<thead>
<tr>
<th>REV</th>
<th>DATE</th>
<th>CHANGE DETAIL</th>
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<tr>
<td>0</td>
<td>1/09/03</td>
<td>New Issue</td>
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<tr>
<td>1</td>
<td>6/17/09</td>
<td>Update for Claremont manufacture</td>
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<tr>
<td>2</td>
<td>11/25/14</td>
<td>Update specifications</td>
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**Part Number**

S705T-02F-62N3

**Description:**
2 Fiber, 62.5/125, Rad Hard Zipcord Cable Riser Rated – Nuclear

**Approved By:**
J. Rosko

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