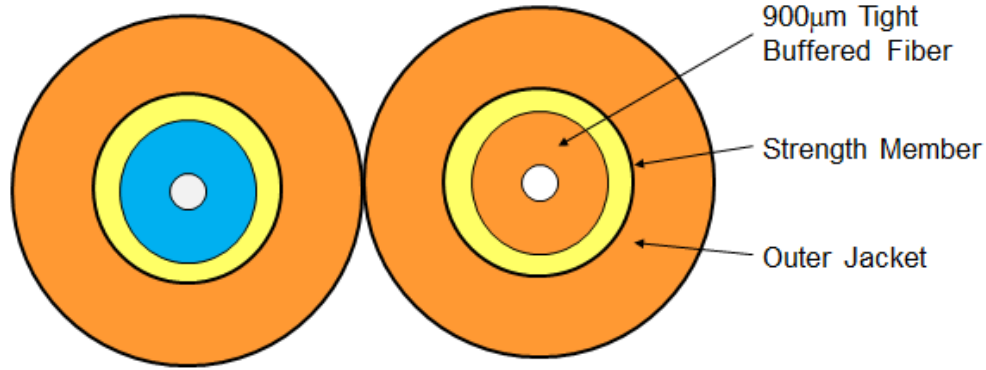


## 2 Fiber Tight Buffer Zipcord Cable - OFNR/FT4



### CABLE CONSTRUCTION

Each optical fiber will be covered with a non-halogenated elastomer to an outside diameter (OD) of  $900 \pm 50\mu\text{m}$ . The tight buffer fiber colors will be blue and orange. Each  $900\mu\text{m}$  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  
 :  $62.5/125 \mu\text{m}$  Multimode  
 Applicable Specification : TIA/EIA 492AAAA  
 : IEC 60793-2-10

### KEY OPTICAL ATTRIBUTES


Core Diameter:  $62.5 \pm 2.5 \mu\text{m}$   
 Cladding Diameter:  $125.0 \pm 1 \mu\text{m}$   
 Coating Diameter:  $242 \pm 7 \mu\text{m}$   
 Core/Cladding Concentricity Error:  $\leq 1.5 \mu\text{m}$   
 Core Non-Circularity:  $\leq 6\%$   
 Cladding Non-circularity:  $\leq 1\%$   
 Numerical Aperture:  $0.275 \pm 0.015$   
 Typical Group Index @ 850 nm: 1.496  
 Typical Group Index @ 1300 nm: 1.491

### ATTENUATION PERFORMANCE

:  $\leq 3.5 \text{ dB/Km}$  @ 850nm  
 :  $\leq 1 \text{ dB/Km}$  @ 1300nm

### BANDWIDTH PERFORMANCE

:  $> 200 \text{ MHz}\cdot\text{km}$  @ 850nm  
 :  $> 500 \text{ MHz}\cdot\text{km}$  @ 1300nm

REV	DATE	CHANGE DETAIL	 <b>Prysmian Cables &amp; Systems                      USA, LLC</b> 2512 Penny Road, Claremont, NC 28610 Phone: 800-879-9862 Fax: 828-459-8444			
0	1/09/03	New Issue			<b>S705T-02F-62N3</b>  2 Fiber, 62.5/125, Rad Hard Zipcord Cable Riser Rated – Nuclear	
1	6/17/09	Update for Claremont manufacture				
2	11/25/14	Update specifications				
			Part Number			
			Description:			
			Approved By:	J. Rosko		

**CABLE DIMENTIONS/WEIGHT** Cable Diameter - minor axis : 2.9 mm (0.113 in) nominal  
 Cable Diameter – major axis : 6.25 mm (0.246 in)  
 Cable Weight (nominal) : 14.5 (9.7) kg/km (lbs/1000 ft)

**MECHANICAL PROPERTIES** Maximum Installation Tension : 220 N (50 lbs)  
 Maximum Operating Tension : 66 N (15 lbs)  
 Minimum Bend Radius Installation : 5.8 cm (2.3 in)  
 Minimum Bend Radius Operating : 2.9 cm (1.2 in)

**ENVIRONMENTAL PROPERTIES** Storage Temperature : -40°C to +80°C  
 Installation Temperature : -10°C to +60°C  
 Operating Temperature : -20°C to +80°C

**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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