

## EFN062-CC ST Duplex Fiber Optic Cable - Riser

Status: Available

### FUNCTIONAL NOTES:

Dual Fiber Cable joined together in a lamp cord fashion for easy separation for termination. Good for use in electronically harsh environments.

### PRODUCT SPECIFICATIONS:

<b><i>Physical</i></b>	
<b>Connector One</b>	ST
<b>Connector Two</b>	ST
<b>Application</b>	Fiber Optic Cable for Riser use
<b>Diameter</b>	0.12 Inch (0.305 cm.) X 0.24 Inch (0.61 cm.)
<b>Supported Distance</b>	Determined by Equipment Specifications
<b>Resistance</b>	5 dB/Km Attenuation Max.
<b>Jacket Material</b>	Orange PVC
<b>Jacket Thickness</b>	
<b>Conductor Material</b>	62.5 um diameter all glass graded index optical fiber
<b>Number of Conductors</b>	2 Conductors
<b>Bend Radius</b>	2" (5 cm.) Short Term; 1.2" (3 cm.) Long Term
<b>Tensile Strength</b>	224 lbs. (1000 N) Short Term; 112 lbs. (500N) Long Term
<b><i>Marketing</i></b>	
<b>Special Product Cross Reference</b>	
<b><i>Literature</i></b>	
<b>Manual Available?</b>	
<b>Manual Name</b>	
<b>Manual Date</b>	
<b>Schematic Vendor Name</b>	
<b>Schematic Available?</b>	
<b>Schematic Non-Disclosure Required?</b>	
<b>Schematic Date</b>	
<b>Additional Schematic Requirements</b>	
<b>Literature Comments</b>	
<b><i>Agency Compliance</i></b>	
<b>N.E.C. Code</b>	OFNR
<b>N.E.C. Article</b>	770

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**Miscellaneous Notes****CORE CONSTRUCTION**  
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62.5 um diameter all glass graded index optical fiber.

**CLADDING CONSTRUCTION**  
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125 um diameter glass cladding with a UV cured acrylate coating.

**BUFFER CONSTRUCTION**  
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Thermoplastic Buffer 900 un tight buffer around the coated fiber, which is mechanically strippable.

**FIBER STRENGTH MEMBER CONSTRUCTION**  
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High strength Aramid stranded around the buffered fiber.

**JACKET PRINT**  
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Marking on cable shall be repeated at a maximum interval of 24" and extended throughout the entire length of the cable. All marking shall be permanent and of a high contrasting color with the jacket material. Actual marking on one leg of cable shall read "Manufacturer's Marking i.e. UL List Number" 62.6/125 Micron. Type OFNR (UL).

**OVERALL CABLE CONSTRUCTION**  
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Non-conductive, Type OFNR per NEC Article 770 for riser use.

**TRANSMISSION PERFORMANCE**  
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Wavelength 850/1300 nm

Attenuation 3.75/1.5 dB/Km maximum.  
3.0/1.0 db/Km typical @ 23 degrees Celsius

Minimum band width 400/400 Mhz - Km

**MECHANICAL SPECIFICATIONS (TESTS PER EIA 455)**  
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Crush Resistance 750/CM (428 lbs./In.)

Impact Resistance 1000 Cycles

Cyclic Flex Resistance 7500 Cycles

Maximum Vertical Rise 1000 M (3280 Ft.)

**ENVIRONMENTAL SPECIFICATIONS**  
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**Storage Temperature**      -40 Degrees Celsius to + 70 Degrees Celsius

**Operating Temperature**    -20 Degrees Celsius to + 70 Degrees Celsius

**UL Listing**                OFNR

**Flame Resistance**        UL-1666 (For riser use)