

# 12-2 Unshielded + 2 Fiber Siamese Plenum

Part No.: 40-3300276EYO-2C12

ETL listed for guaranteed performance  
Made in the USA

## Applications:

This document establishes the specifications for a plenum rated two conductor unshielded cable and a two fiber cable in a siamese construction used for low voltage communication applications

## Construction Details (12/2):

Number of Conductors: 2/C  
 Conductor: 12AWG Stranded Bare Copper  
 Insulation Material: Remguard Plenum Polymer  
 Nominal Insulation Thickness: 0.012 in.  
 Nominal Insulation Diameter: 0.117 in.  
 Color Code: Black, Natural  
 Shield: None  
 Drain: None

## Electricals (12/2):

Suggested Working Voltage: 300 Volts, rms.

## \*Fiber Construction Details:

Tight Buffered Fiber  
 Dimension: 900µm, nominal.  
 Tight buffered fiber color code: 1-blue, 1-orange  
 Cable strength: Water swellable aramid yarns are pulled in with the tight-buffered fibers under the outer jacket.

## Overall Construction Details:

Construction Type: 12AWG 2 Conductor cable and 2 fiber with water swellable aramid yarns are pulled in and jacketed in a siamese construction.

Jacket Material: Remguard Plenum Polymer  
 Nominal Jacket Thickness: 0.030 in  
 Jacket Color: Yellow UV Resistant  
 Nominal Overall Dimensions: Minor (12/2): 0.270 in.  
 Minor (Fiber): 0.170 in.  
 Major: 0.465 in.

Surface Print: 3122598 2/C 12AWG + 2—SM OS2  
 INDOOR/OUTDOOR CMP/OFNP C(ETL)US  
 FT6 + Sequential Footage Marking

Issue Date: 03/16  
 Revision: 2

All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921  
 Customer Service: 800-431-3864 Fax: 845-651-4160 Website: [www.remee.com](http://www.remee.com)

## Fiber Optic Mechanical & Environmental:

Max. Tensile Load for Installing: 1405/315lbf  
 Max. Tensile Load, Long-Term: 455N/102lbf  
 Crush Resistance (EIA 455-41): 100 N/cm  
 Impact Resistance (EIA 455-25): 25 Impacts  
 Flexing, ±90° (EIA 455-104): 25 Cycles

## Technical Details:

### Temperature Rating

Storage:	-2°C to +60°C
Installation:	0°C to +50°C
Operation:	-2°C to +60°C

Min. Bend Radius, Unloaded: 10 x O.D.

Min. Bend Radius, Loaded: 20 x O.D.

Nominal Weight: 68 lbs. / 1,000 ft.

DC Resistance @ 20°C 1.62 Ohms/1M'

Nominal Capacitance Cond—Cond 55.3 pF/FT

## Standards:

- NEC Article 800
- CMP/OFNP Rating

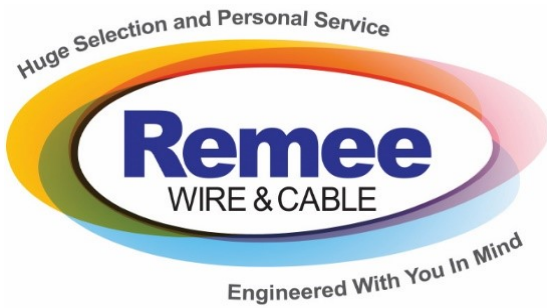
## Codes & Listings:

- C(ETL)US CMP/OFNP FT6

## Preparation for Shipment:

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.



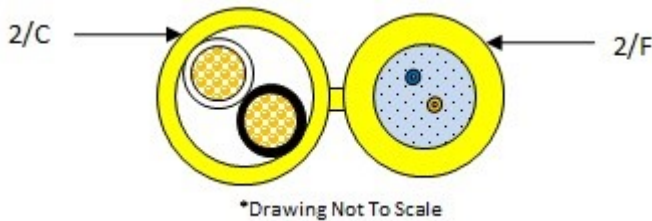


# 12-2 Unshielded + 2 Fiber Siamese Plenum

ETL listed for guaranteed performance  
Made in the USA

Part No.: 40-3300276EYO-2C12

Fiber Type	Single mode*
Maximum Attenuation @ 1310/1550nm	0.40/0.30 dB/km
Cladding Diameter	125.0 ± 0.7 µm
Maximum Core/Clad Concentricity Error	0.5 µm
Maximum Cladding Non-circularity	0.7%
Primary Coating Diameter	245 ± 7 µm
Cabled Cutoff Wavelength	<1260nm
Mode Field Diameter	9.0 ± 0.4µm @1310nm 10.1 ± 0.5µm @1550nm
Temperature Dependence	≤0.05dB/km (-60°C to 85°C)
Zero Dispersion Slope	0.090ps/nm <sup>2</sup> -km
Maximum PMD Link Design Value	0.06ps/√km
Group Refractive Index @ 1310/1550	1.467 / 1.468
Proof Test	100 kpsi



Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Note:** While Remeë Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document, Remeë Products Corp. does not guarantee that it is error-free, nor does Remeë Products Corp. make any other representation, warranty, or guarantee that the information is accurate, correct, reliable or current. Remeë Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remeë Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.



MADE IN THE USA



Issue Date: 0316  
Revision: 2

All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921  
 Customer Service: 800-431-3864 Fax: 845-651-4160 Website: [www.remee.com](http://www.remee.com)