

12-2 Unshielded + 1 Fiber Siamese Plenum

ETL listed for guaranteed performance
Made in the USA

Part No.: 40-3300176EYO-2C12

Applications:

This document establishes the specifications for a plenum rated two conductor unshielded cable and a one 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
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 1 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 + 1—SM OS2
INDOOR/OUTDOOR CMP/OFNP C(ETL)US
FT6 + Sequential Footage Marking

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.

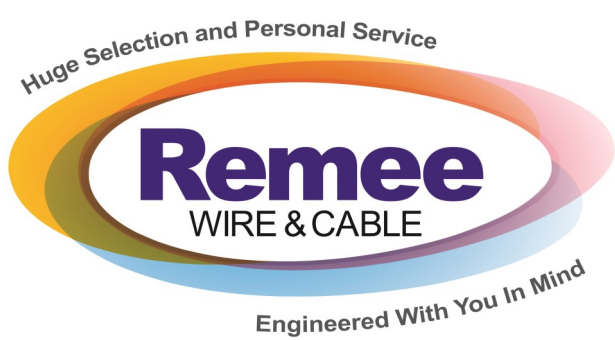


Issue Date: 03/16
Revision: 2

All warranty information can be viewed at 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

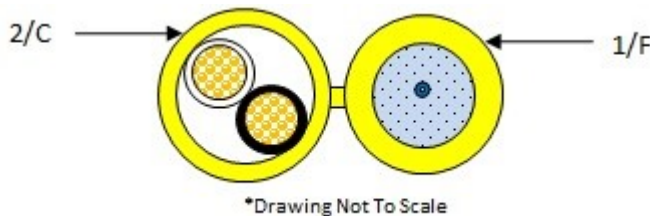


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| Fiber Type | Single mode* |
|---------------------------------------|---|
| Maximum Attenuation @ 1310/1550nm | 0.40/0.30 dB/km |
| Cladding Diameter | 125.0 ± 0.7 µm |
| Maximum Core/Clad Concentricity Error | 0.5 µm |
| Maximum Cladding Non-circularity | 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 ² -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.



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