



18-2 Unshielded + 1 Fiber Siamese Plenum

ETL listed for guaranteed performance
Made in the USA

Part No.: 40-3300176EYO-2C18

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 (18/2):

Number of Conductors: 2/C
 Conductor: 18AWG Stranded Bare Copper
 Insulation Material: Remguard Plenum Polymer
 Nominal Insulation Thickness: 0.008 in.
 Nominal Insulation Diameter: 0.062 in.
 Color Code: Black, Natural
 Shield: None
 Drain: None

Electricals (18/2):

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: 18AWG 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 (18/2): 0.184 in.
 Minor (Fiber): 0.170 in.
 Major: 0.379 in.

Surface Print: 3122598 2/C 18AWG + 1—SM OS2
 INDOOR/OUTDOOR CMP/OFNP C(ETL)US
 FT6 + Sequential Footage Marking

Issue Date: 09/16
 Revision: 3

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

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.
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Min. Bend Radius, Loaded:	20 x O.D.
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Nominal Weight:	36 lbs. / 1,000 ft.
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DC Resistance @ 20°C	6.48 Ohms/1M'
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Nominal Capacitance Cond—Cond	26.7 pF/FT
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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.



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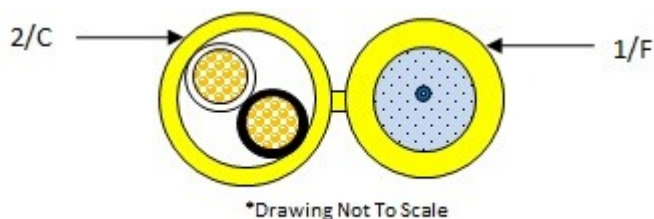


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Fiber Type	Single mode*
Maximum Attenuation @ 1310/1550nm	0.40/0.30 dB/km
Cladding Diameter	125.0 ± 0.7 µm
Maximum Core/Clad Concentricity Error	0.5 µm
Maximum Cladding Non-circularity	0.7%
Primary Coating Diameter	245 ± 7 µm
Cabled Cutoff Wavelength	<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: _____

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