



14/2 + 6 Fiber Plenum

Part No.: 609900676ERYN-2C14AWG

Applications:

This document establishes the specifications for a plenum 14awg two conductor cable and a six fiber cable used for low voltage communication applications

Construction Details: 2C14awg

Conductor: 14AWG stranded bare copper
Nominal Wall: 0.012 in.
Nominal Conductor Diameter: 0.097 in.
Material: Plenum Polymer
Colors: Red, Black

*Fiber Construction Details:

Tight Buffered Fiber
Dimension: 900µm, nominal.
Tight buffered fiber color code: Blue, Orange, Green, Brown, Slate, White
Cable strength: Water swellable aramid yarns are pulled in with the tight-buffered fibers under the outer jacket.
Jacket Color: Yellow
No surface Print

Overall Construction Details

Construction Type: 14AWG 2 Conductor cable and one 6 fiber with water swellable aramid yarns are pulled in and jacketed in a siamese construction.
Material: Plenum Polymer
Nominal Jacket Thickness: 0.030 in
Jacket Color: Per customer requirement
Nominal Overall Dimensions: Minor (14/2): 0.254 in.
Minor (Fiber): 0.250 in.
Major: 0.529 in.
Surface Print: CCT 6F SM-OS2 + 2/C 14AWG
INDOOR/OUTDOOR + Sequential
Footage Marking

Fiber Optic Mechanical & Environmental:

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

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.

Standards:

- NonListed

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.



MADE IN THE USA

Issue Date: 05/18
Revision: 0

All warranty information can be viewed at WWW.CCTCABLE.COM.

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



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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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