


Description: Tinned Copper conductor, Foam FEP Insulation, twisted pairs, overall foil shield and PVDF Jacketed Plenum Cable.

A. Construction:


- 1.0 Primaries:
 - 1.1 Conductor:
 - AWG 24 AWG
 - Stranding 7/32 Tinned Copper;
 - Nom. Dia .024"
 - 1.2 Insulation:
 - Material Foam FEP
 - Nom. thickness .014"
 - Nom. OD .052"
- 2.0 Pair construction: Two insulated conductors twisted together
 - 2.1 No. of Pairs 2
 - 2.2 Pair Color Code: White/Blue-Blue/White & White/Orange-Orange/White
 - 2.3 Cabled, LHL
- 3.0 Overall shield:
 - 3.1 Separator: Polyester tape
 - 3.2 Shield: Aluminum/Polyester Tape; 100% coverage; (Aluminum Side out)
 - 3.3 Drain Wire: 24 AWG Stranded Tinned Copper
- 4.0 Jacket Material: PVDF Nom. wall: .015" Color: TBD
- 5.0 Overall Diameter of Cable Nom. .203"
- 6.0 Marking: Surface Print:
 GENERAL CABLE (F) C8118 4C 24 AWG SHIELDED CMP (UL) C(UL) ---- ROHS
 AAAAAA*
 * Indicates Shop Order number

B. Characteristics:

- 1.0 Conductor DC Resistance @20C Max. (Ohm): 26.5
- 2.0 Capacitance between conductors Nom. (pF/ft): 12
- 3.0 Capacitance Cond. To other Cond.& Shield Nom. (pF/ft): 22
- 4.0 Inductance Nom. (µH/ft): .21
- 5.0 Shield Resistance Nom.(Ohms/1000'): 15.5
- 6.0 Velocity of propagation Nom.: 78
- 7.0 Characteristic Impedance Nom. (Ohms): 100
- 8.0 Operating Voltage Nom.: 300 V
- 9.0 Continuous Operating Temp: -40C to + 150C
- 10.0 Min. Bend Radius (inches): 2.0
- 11.0 Max. Pulling Tension Lbs: 28.0

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|-------------|----------|---------------------|--|--|--|-------------|
| R E V | DATE | CHANGE DETAIL |  | General Cable 20 Forge Park, Franklin, Ma 02038 Phone: 508-541-7100 Fax: 508-541-8122 | | |
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| | | | Title: | C8118 | | |
| | | | Description: | 2 PRS 24 AWG Shielded Low Cap Plenum Cable | | |
| | | | Created By: | | | |
| A | 07/02/09 | Initial Release -DB | Final Approval: | VM-7/2/09 | | PAGE 1 of 1 |

C. Approvals: UL –CMP ; C(UL) CMP

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