


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  
 AAAAA\*  
 \* 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

REV	DATE	CHANGE DETAIL			<b>General Cable</b> 20 Forge Park, Franklin, Ma 02038 Phone: 508-541-7100 Fax: 508-541-8122	
					<b>C8118</b>	
			Title:		<b>2 PRS 24 AWG Shielded Low Cap Plenum Cable</b>	
			Description:			
			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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