

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


A. Construction:

- 1.0 Primaries:
  - 1.1 Conductor:
    - AWG 18 AWG
    - Stranding 19/30 Tinned Copper;
    - Nom. Dia .048"
  - 1.2 Insulation:
    - Material FEP
    - Nom. thickness .007"
    - Nom. OD .062"
- 2.0 Pair construction: Two insulated conductors twisted together
  - 2.1 No. of Pairs 1
  - 2.2 Pair Color Code: Black & Red
- 3.0 Overall shield:
  - 3.1 Separator: Polyester tape
  - 3.2 Shield: Aluminum/Polyester Tape; 100% coverage; (Aluminum Side out)
  - 3.3 Drain Wire: 20 AWG Stranded Tinned Copper
- 4.0 Jacket Material: FEP Nom. wall: .016" Color: Red
- 5.0 Overall Diameter of Cable Nom. .165"
- 6.0 Marking: Surface Print:
  - GENERAL CABLE (F) C8101 2C 18 AWG SHIELDED CMP (UL) C(UL) ---- ROHS
  - AAAAA\*
  - \* Indicates Shop Order number

B. Characteristics:

- 1.0 Conductor DC Resistance @20C Max. (Ohm): 5.5
- 2.0 Capacitance between conductors Nom. (pF/ft): 50
- 3.0 Capacitance Cond. To other Cond.& Shield Nom. (pF/ft): 95
- 4.0 Inductance Nom. (μH/ft): .15
- 5.0 Shield Resistance Nom.(Ohms/1000'): 7.5
- 6.0 Velocity of propagation Nom.: 69
- 7.0 Characteristic Impedance Nom. (Ohms): 35
- 8.0 Operating Voltage Nom.: 300 V
- 9.0 Continuous Operating Temp: 200C
- 10.0 Min. Bend Radius (inches): 1.6
- 11.0 Max. Pulling Tension Lbs: 65

C. Approvals: UL –CMP ; C(UL) CMP

REV	DATE	CHANGE DETAIL			<b>General Cable</b> 20 Forge Park, Franklin, Ma 02038 Phone: 508-541-7100 Fax: 508-541-8122	
			Description:	1 PR 18 AWG Shielded Plenum Cable		
			Created By:			
A	06/29/09	Initial Release -VM	Final Approval:	VM	6/29/09	PAGE 1 of 1