


Description: Tinned Copper conductor, FEP Insulation, twisted pairs, overall foil shield and PVDF 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: PVDF Nom. wall: .014" Color: TBD
- 5.0 Overall Diameter of Cable Nom. .160"
- 6.0 Marking: Surface Print:
 GENERAL CABLE (F) C8104 2C 18 AWG SHIELDED CMP (UL) C(UL) ---- ROHS
 AAAAA*
 * Indicates Shop Order number

B. Characteristics:

- 1.0 Conductor DC Resistance @20C Max. (Ohm): 6.22
- 2.0 Capacitance between conductors Nom. (pF/ft): 51
- 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'): 7.3
- 6.0 Velocity of propagation Nom.: 69
- 7.0 Characteristic Impedance Nom. (Ohms): 48
- 8.0 Operating Voltage Nom.: 300 V
- 9.0 Continuous Operating Temp: -40C to + 150C
- 10.0 Min. Bend Radius (inches): 1.6
- 11.0 Max. Pulling Tension Lbs: 64.0

REV	DATE	CHANGE DETAIL			General Cable 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	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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