

Description: Tinned Copper conductor, FEP Insulation, Individually shielded pairs, and overall Plenum PVC Jacketed Plenum Cable.


**A. Construction:**

- 1.0 Primaries:
  - 1.1 Conductor:
    - AWG 22 AWG
    - Stranding 7/30 Tinned Copper;
    - Nom. Dia .030"
  - 1.2 Insulation:
    - Material FEP
    - Nom. thickness .006"
    - Nom. OD .042"
  
- 2.0 Pair construction: Two insulated conductors twisted together
  - 2.1 Shield: Aluminum/Polyester Tape; 100% coverage; (Aluminum Side IN)
  - 2.2 Drain Wire: 24 AWG ( 7/32 ) Tinned Copper
  - 2.3 No. of Pairs 2
  - 2.4 Pair Color Code: Black & Red Green & White
  
- 3.0 Overall Cabling: Two pairs cabled
  
- 4.0 Jacket Material: Plenum PVC Nom. wall: .014" Color: TBD
  
- 5.0 Overall Diameter of Cable Nom. .186"
  
- 6.0 Marking: Surface Print:  
 GENERAL CABLE (F) C8105 2PR 22 AWG SHIELDED CMP (UL) C(UL) ---- ROHS  
 AAAAAA\*  
 \* Indicates Shop Order number

**B. Characteristics:**

- 1.0 Conductor DC Resistance @20C Max. (Ohm): 16
- 2.0 Capacitance between conductors Nom. (pF/ft): 43
- 3.0 Capacitance Cond. To other Cond.& Shield Nom. (pF/ft): 75
- 4.0 Shield resistance Nom. (ohms/1000 ft): 15
- 5.0 Characteristic Impedance Nom.(Ohms): 36
- 6.0 Velocity of Propagation Nom. : 67
- 7.0 Operating Voltage Nom.: 300 V
- 8.0 Continuous Operating Temp: 75C
- 9.0 Min. Bend Radius (inches): 1.9
- 10.0 Max. Pulling Tension Lbs: 45

**C. Approvals: UL –CMP ; C(UL) CMP**

REV	DATE	CHANGE DETAIL		
			 <p style="text-align: center;"><b>General Cable</b>            20 Forge Park, Franklin, Ma 02038            Phone: 508-541-7100 Fax: 508-541-8122</p>	
			Title:	<b>C8105</b>
			Description:	2 PR 22 AWG Shielded Plenum Cable
			Created By:	
A	06/30/09	Initial Release -DB	Final Approval:	VM 6/30/09