

Description: Tinned Copper conductor, Foam FEP Insulation, Individually shielded pairs, and overall 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 .019"
 - Nom. OD .062"
- 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: White/Blue- Blue/White & White/Orange-Orange/White
- 3.0 Overall Cabling: Two pairs cabled
- 4.0 Jacket Material: PVDF Nom. wall: .018" Color: TBD
- 5.0 Overall Diameter of Cable Nom. .261"
- 6.0 Marking: Surface Print:
 - GENERAL CABLE (F) C8128 2PR 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): 12.5
- 3.0 Capacitance Cond. To other Cond.& Shield Nom. (pF/ft): 22
- 4.0 Shield resistance Nom. (ohms/1000 ft): 14.4
- 5.0 Characteristic Impedance Nom.(Ohms): 100
- 6.0 Velocity of Propagation Nom. : 76
- 7.0 Operating Voltage Nom.: 300 V
- 8.0 Continuous Operating Temp: 150C
- 9.0 Min. Bend Radius (inches): 2.75
- 10.0 Max. Pulling Tension Lbs: 33

C. Approvals: UL -CMP ; C(UL) CMP

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|-------------|----------|---------------------|---|--|--|-------------|
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| | | | Title: | C8128 | | |
| | | | Description: | 2 Individually Shielded Prs 24 AWG Plenum Cable | | |
| | | | Created By: | | | |
| A | 07/02/09 | Initial Release -DB | Final Approval: | VM - 7/2/09 | | PAGE 1 of 1 |

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