Description: Tinned Copper conductor, FEP Insulation, Individually shielded pairs, and overall FEP 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 | .010” |
| | | Nom. OD | .050" |
| 2.0 | Pair construction: | | Two insulated conductors twisted together |
| | 2.1 | Shield: | Aluminum/Polyester Tape; 100% coverage; (Aluminum Side IN) |
| | 2.2 | Drain Wire: | 22 AWG ( 7/30 ) Tinned Copper |
| | 2.3 | No. of Pairs | 6 |
| | 2.4 | Pair Color Code: | Black- Red, Black -White, Black-Green, Black-Blue, Black-Yellow, Black-Brown |
| 3.0 | Overall Cabling: | | 6 pairs cabled |
| 4.0 | Jacket | Material: | FEP Nom. wall: .015” Color: TBD |
| 5.0 | Overall Diameter of Cable Nom. | | .309” |
| 6.0 | Marking: | Surface Print: | GENERAL CABLE (F) C8132 6PR 22 AWG SHIELDED CMP (UL) C(UL) ---- ROHS AAAAA* |
| | | | * Indicates Shop Order number |

B. Characteristics:

| | | |
|---|---|---|
| 1.0 | Conductor DC Resistance @20C Max. (Ohm): | 16 |
| 2.0 | Capacitance between conductors Nom. (pF/ft): | 30 |
| 3.0 | Capacitance Cond. To other Cond.& Shield Nom. (pF/ft): | 65 |
| 4.0 | Shield resistance ( Each Pair ) Nom. (ohms/1000 ft): | 11.3 |
| 5.0 | Characteristic Impedance Nom.(Ohms): | 50 |
| 6.0 | Velocity of Propagation Nom. : | 67 |
| 7.0 | Operating Voltage Nom.: | 300 V |
| 8.0 | Continuous Operating Temp: | 200C |
| 9.0 | Min. Bend Radius (inches): | 3.0 |
| 10.0 | Max. Pulling Tension Lbs: | 163 |

C. Approvals: UL –CMP ; C(UL) CMP

| REV | DATE | CHANGE DETAIL |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| A | 07/02/09 | Initial Release -DB |

General Cable

**General Cable**
**20 Forge Park, Franklin, Ma 02038**
**Phone: 508-541-7100 Fax: 508-541-8122**

| | |
|---|---|
| **Title:** | **C8132** |
| **Description:** | 6 PR 22 AWG Shielded Plenum Cable |
| **Created By:** | |
| **Final Approval:** | VM – 7/2/09 |



General Cable reserves the right to modify this information without prior notification and does not make a warranty or representation of any kind, whether implied or expressed with respect to the information contained herein. General Cable assumes no risks, and will not be liable for direct or indirect, special; incidental or consequential damages, any defect or personal injury resulting from the use of this document.