

# Bay State Wire & Cable

## Data Communications Cable Specification

Bay State Wire & Cable Part #: PC2C18SS

**DESCRIPTION:** 18/2 STRANDED SHIELDED CL3P/CMP/FPLP FT6 PLENUM CABLE

**CONSTRUCTION:** This cable consists of two bare copper insulated conductors, cabled with an overall shield and drain wire, and an overall jacket.

**APPROVALS:** UL Standard 13 and 444, NEC Articles 725 and 800.

**APPLICATION:** Class 3 Power Limited Circuit Cable and Communications Cable Used in Plenum Applications

### 1. Conductor

- 1.1 AWG a Stranding: 18 AWG, Class B 7 Strands
- 1.2 Material: Annealed Bare Copper

### 2. Insulation

- 2.1 Material: Plenum Rated Polyvinylchloride (SGPVC)
- 2.2 Wall Thickness: 0.008"

### 3. Color Code

- 3.1 Code: Black, Red

### 4. Assembly

- 4.1 Cable Lay Length: 3.00" Nominal
- 4.2 Cable Shield: Aluminum/Mylar Tape -100% coverage
- 4.3 Cable Drain Wire: 24 AWG, 7 Strand Tinned Copper
- 4.4 Cable Binder: N/A

### 5. Jacket

- 5.1 Material: Plenum Rated Polyvinylchloride (SGPVC)
- 5.2 Wall Thickness: 0.014"
- 5.3 Diameter: 0.160"
- 5.4 Color: White
- 5.5 Weight: 21lbs./Mft.
- 5.6 Minimum Bend Radius: 1.59" Nominal

### 6. Markings

- 6.1 Type: Cable shall be permanently identified via surface inkjet print
- 6.2 Legend: 18AWG 2C SHLD (UL) CL3P OR CMP C(UL)US 75°C FT-6  
"ROMS"

### 7. Standards

- 7.1 UL listed as Type CL3P or CMP c(UL)us 75 °C, FT-6
- 7.2 All materials used in the manufacture of this cable are RoHS compliant

**ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION**