

# Bay State Wire & Cable

## Plenum Rated Data Communications Cable Specification

### Bay State Wire & Cable Part #: PC10C18S

Description: 18 AWG, 10 conductor unshielded plenum rated cable constructed with stranded bare copper, polyvinylchloride insulation and an overall polyvinylchloride jacket for data communications / security applications manufactured in the USA and (UL) listed CL3P or CMP c(UL)us 75°C, FT-6.

1. Conductor
  - 1.1 AWG & 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: 0.007"
3. Color Code
  - 3.1 Code: Black, Red, White, Green, Brown, Blue, Orange, Yellow, Violet, Gray
4. Assembly
  - 4.1 Cable Lay Length: 3.00" LHL, Nominal
  - 4.2 Cable Binder: N/A
  - 4.3 Cable Shield: N/A
  - 4.4 Cable Drain Wire: N/A
5. Jacket
  - 5.1 Material: Plenum Rated Polyvinylchloride (SGPVC)
  - 5.2 Wall Thickness: 0.015"
  - 5.3 Diameter: 0.268"
  - 5.4 Color: Natural
  - 5.5 Weight: 66 lbs./Mft.
  - 5.6 Minimum Bend Radius: 1.70" Nominal
6. Markings
  - 6.1 Type: Cable shall be permanently identified via surface inkjet print
  - 6.2 Legend: 18AWG 10C (UL) CL3P OR CMP C(UL)US 75°C FT-6 "ROMS"
7. Electricals
  - 7.1 Impedance: 55 Q
  - 7.2 Capacitance: 37.0 pF/ft.
  - 7.3 DC Resistance: 5.8 Q/Mft. @ 20°C
8. Standards
  - 8.1 UL listed as Type CL3P or CMP c(UL)us 75°C, FT-6
  - 8.2 All materials used in the manufacture of this cable are RoHS compliant

*ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION*