



PRODUCT DATA SHEET

Part Number: 325800

Revision Level: Original

Date: March 9, 2005

2P 16 7/.0152 BC PVC OAS IND SHLD PVC

INSTRUMENTATION CABLE

A. CONSTRUCTION

DIAMETERS

- | | | | |
|----|------------------------------|---|-------------------|
| 1) | CONDUCTOR: | #16 AWG 7/.0152 Bare Copper | 0.058" nom. |
| 2) | INSULATION: | 0.016" Wall Polyvinyl Chloride | 0.090" nom. |
| 3) | COLOR CODE: | Black-White, pairs are numbered. | |
| 4) | SUB-CABLE: | 4 conductors into 2 pairs @ 2.00" LHL.,
Aluminum/Polypropylene shield foil in, and #22 AWG
7/30 TC Drain Wire | 0.180" nom. |
| 5) | COMMUNICATION
CONDUCTOR: | #22 AWG Solid Bare Copper | 0.025" nom. |
| 6) | COMMUNICATION
INSULATION: | 0.013" Wall Polyvinyl Chloride – Orange | 0.051" nom. |
| 7) | CABLE: | 2 pairs @ 3.00" LHL with Communication Conductor,
Aluminum/Polypropylene shield foil out, and #22 AWG
7/30 TC Drain Wire | 0.262" nom. |
| 8) | JACKET: | 0.042" Wall Polyvinyl Chloride – Black | 0.346" +/- 0.017" |
| 9) | PRINT LEGEND: | GENERAL CABLE (R) BICC BRAND (R) –8 PVC 2SPS 16 AWG PVC/PVC
SHIELDED (UL) TYPE PLTC OR ITC 105C SUN RES (PRINT EVERY 3 FT) | |

B. INDUSTRY APPROVALS

National Electrical Code
UL Standard 13

Article 725
Type PLTC

UL Subject 2250

Type ITC

C. ELECTRICAL PROPERTIES

- | | | |
|----|-----------------------------------|--------------------------------|
| 1) | TEMPERATURE: | 105 C |
| 2) | SUGGESTED WORKING VOLTAGE (Vrms): | 300Vrms |
| 3) | CONDUCTOR D.C. RESISTANCE: | 4.27 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE: | 6.2 Ohms/1000 ft. nom. @ 20 C |
| 5) | MUTUAL CAPACITANCE: | 49.5 pF/ft. @ 1kHz nom. |
| 6) | GROUND CAPACITANCE: | 89.1 pF/ft. @ 1kHz nom. |
| 7) | CHARACTERISTIC IMPEDANCE: | 50 Ohms @ 1 MHz nom. |

Note: Data are subject to change without notice. Contact your Customer Service representative for latest information.