

General Cable

PRODUCT DATA SHEET

Part Number: 339880

Revision Level: 01

Date: September 15, 2004

4ST 20 7/.0121 BC PVC OAS PVC

INSTRUMENTATION CABLE

A. CONSTRUCTION

DIAMETERS

- | | | | |
|----|---------------------------|---|-------------------|
| 1) | CONDUCTOR: | #20 AWG 7/.0121 Bare Copper | 0.036" nom. |
| 2) | INSULATION: | 0.013" Wall Polyvinyl Chloride | 0.062" nom. |
| 3) | COLOR CODE: | Black-White-Red, triads are numbered. | |
| 4) | SUB-CABLE: | 12 conductors into 4 triads @ 2.00" LHL with Aluminum/Polypropylene shield foil in, and #22 AWG 7/30 TC Drain Wire | 0.137" 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: | 4 triads @ 3.00" LHL with Communication Conductor, overall Aluminum/Polypropylene shield foil out, and #22 AWG 7/30 TC Drain Wire | 0.281" nom. |
| 8) | JACKET: | 0.042" Wall Polyvinyl Chloride – Black | 0.365" +/- 0.018" |
| 9) | PRINT LEGEND: | GENERAL CABLE (R) BICC BRAND (R) –8 PVIC 4ST 20 AWG PVC/PVC SHIELED (UL) TYPE PLTC OR ITC 105C SUN RES | |

B. INDUSTRY APPROVALS

National Electrical Code	Article 725
UL Standard 13	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: | 9.33 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE: | 6.2 Ohms/1000 ft. nom. @ 20 C |
| 5) | MUTUAL CAPACITANCE: | 43 pF/ft. @ 1kHz nom. |
| 6) | GROUND CAPACITANCE: | 77 pF/ft. @ 1kHz nom. |
| 7) | CHARACTERISTIC IMPEDANCE: | 47 Ohms @ 1 MHz nom. |

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