



PRODUCT DATA SHEET

Part Number: 325880

Revision Level: 01

Date: September 15, 2004

4P 18 7/.0152 BC PVC OAS PVC

INSTRUMENTATION CABLE

A. CONSTRUCTION

DIAMETERS

1)	CONDUCTOR:	#18 AWG 7/.0152 Bare Copper	0.046" nom.
2)	INSULATION:	0.016" Wall Polyvinyl Chloride	0.078" nom.
3)	COLOR CODE:	Black-White, pairs are numbered.	
4)	SUB-CABLE:	8 conductors into 4 pairs @ 2.00" LHL.	0.155" 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 pairs @ 3.00" LHL with Communication Conductor, Aluminum/Polypropylene shield foil out, and #22 AWG 7/30 TC Drain Wire	0.237" nom.
8)	JACKET:	0.042" Wall Polyvinyl Chloride – Black	0.357" +/- 0.018"
9)	PRINT LEGEND:	GENERAL CABLE (R) BICC BRAND (R) –8 PVIC 4SP 18 AWG PVC/PVC SHIELDED (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:	5.55 Ohms/1000 ft. nom. @ 20 C
4)	SHIELD RESISTANCE:	6.2 Ohms/1000 ft. nom. @ 20 C
5)	MUTUAL CAPACITANCE:	40 pF/ft. @ 1kHz nom.
6)	GROUND CAPACITANCE:	72 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.