

Part Number: 325770

Revision Level: Original

Date: December 10, 2004

## 1P 16 7/0192 BC PVC OAS PVC

## INSTRUMENTATION CABLE

### A. CONSTRUCTION

### DIAMETERS

1)	CONDUCTOR:	#16 AWG 7/0192 Bare Copper	0.058" nom.	
2)	INSULATION:	0.016" Wall Polyvinyl Chloride	0.090" nom.	
3)	COLOR CODE:	Black-White, pairs are numbered.		
4)	COMMUNICATION CONDUCTOR:	#22 AWG Solid Bare Copper	0.025" nom.	Formatted: Bullets and Numbering
5)	COMMUNICATION INSULATION:	0.013" Wall Polyvinyl Chloride – Orange	0.051" nom.	Formatted: Bullets and Numbering
6)	CABLE:	1 pair @ 2" LHL with Communication Conductor, Aluminum/Polypropylene shield foil out, and #22 AWG 7/30 TC Drain Wire	0.193" nom.	Formatted: Bullets and Numbering
7)	JACKET:	0.040" Wall Polyvinyl Chloride – Black	0.273" +/- 0.014"	Formatted: Bullets and Numbering
8)	PRINT LEGEND:	<b>GENERAL CABLE (R) BICC BRAND (R) –8 PVIC 1PS 16 AWG PVC/PVC SHIELDED (UL) TYPE PLTC OR ITC 105C SUN RES</b>		Formatted: Bullets and Numbering

### 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:	4.13 Ohms/1000 ft. nom. @ 20 C
4)	SHIELD RESISTANCE:	6.2 Ohms/1000 ft. nom. @ 20 C
5)	MUTUAL CAPACITANCE:	56 pF/ft. @ 1kHz nom.
6)	GROUND CAPACITANCE:	100 pF/ft. @ 1kHz nom.
7)	CHARACTERISTIC IMPEDANCE:	39 Ohms @ 1 MHz nom.

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