

Part Number: 348220

Revision Level: 01

Date: September 15, 2004

6SP 20 7/.0121 BC PVC OAS PVC

INSTRUMENTATION CABLE

A. CONSTRUCTION

DIAMETERS

1)	CONDUCTOR:	#20 AWG 7/28 Tinned Copper	0.036" nom.	
2)	INSULATION:	0.013" Wall Polyvinyl Chloride	0.062" nom.	
3)	SUBCABLE:	12 conductors into 6 pairs @ 1.75" LHL with aluminum/polypropylene tape (foil in) & # 22 AWG 7/30 TC drain wire over each pair.	0.128" nom.	
4)	COLOR CODE:	Each pair Black-White with number printed on pair in format "1-ONE", "2-TWO" etc		
5)	COMMUNICATION CONDUCTOR:	22 AWG Solid Bare Copper with 0.013" Wall Polyvinyl Chloride – Orange – Printed "COMMUNICATIONS WIRE"	0.051" nom.	
6)	CABLE:	6 shielded pairs and Communication Conductor @ 3.00" LHL with aluminum/polypropylene tape (foil out) & #22 AWG 7/30 TC drain wire	0.330" nom.	Formatted: Bullets and Numbering
7)	JACKET:	0.032" Wall Polyvinyl Chloride – Gray <i>-ripcord under jacket</i>	0.434" +/- 0.022"	Formatted: Bullets and Numbering
8)	PRINT LEGEND:	GENERAL CABLE (R) BICC BRAND (R) –8 PVIC 6SPS 20AWG PVC/PVC SHIELDED (UL) TYPE PLTC OR ITC 105C SUN RES (DATE CODE & SEQ FT)		

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.