

General Cable PRODUCT DATA SHEET

Part Number: 348210

Revision Level: Original

Date: February 14, 2005

6SP 18 7/.0152 BC PVC OAS PVC

INSTRUMENTATION CABLE

A. CONSTRUCTION

DIAMETERS

1)	CONDUCTOR:	#18 AWG 7/.0152 Tinned Copper	0.046" nom.	
2)	INSULATION:	0.016" Wall Polyvinyl Chloride	0.078" nom.	
3)	SUBCABLE:	12 conductors into 6 pairs @ 2" LHL with aluminum/polypropylene tape (foil in) & # 22 AWG 7/30 TC drain wire over each pair.	0.156" 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 @ 4" LHL with aluminum/polypropylene tape (foil out) & #22 AWG 7/30 TC drain wire	0.416" nom. ←	Formatted: Bullets and Numbering
7)	JACKET:	0.054" Wall Polyvinyl Chloride – Gray <i>-ripcord under jacket</i>	0.524" +/- 0.026"	Formatted: Bullets and Numbering
8)	PRINT LEGEND:	GENERAL CABLE (R) BICC BRAND (R) –8 PVIC 6SPS 18AWG PVC/PVC-SHIELDED (UL) TYPE PLTC OR ITC 105C SUN RES (DATE CODE & SEQ FT) (PRINTED EVERY 3 FEET)		

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:	6.5 Ohms/1000 ft. nom. @ 20 C
4)	SHIELD RESISTANCE:	6.2 Ohms/1000 ft. nom. @ 20 C
5)	MUTUAL CAPACITANCE:	44 pF/ft. @ 1kHz nom.
6)	GROUND CAPACITANCE:	79 pF/ft. @ 1kHz nom.
7)	CHARACTERISTIC IMPEDANCE:	46 Ohms @ 1 MHz nom.

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