

**Device Bus Cable for Square D/Seriplex Appl.
1 pr 16AWG & 22AWG,
Overall Screen, PVC Sheath**

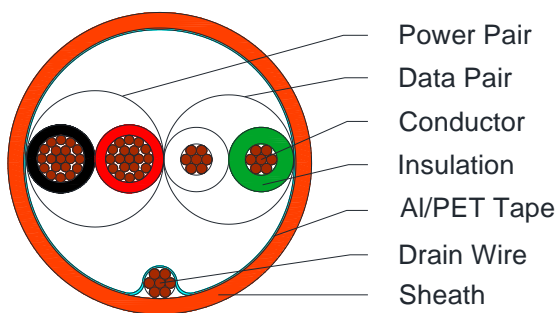


CI 194

Applications

Multi conductor Device Bus cable for Square D/Seriplex Applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper Wire
Insulation	Foam PE 16AWG pair Black and Red 22AWG pair White and Green
Lay-Up	Two wires twisted to a pair, 2 pairs stranded
Screen	Aluminium/PET tape
Drain Wire	Tinned Copper Wire
Outer Sheath	Polyvinyl Chloride (PVC) Standard colour: Orange
Standard Put Up Length	305 or 500 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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C1194

Physical Characteristics

Part Number	C1194	
Pair Number	1	1
Conductor size (AWG)	16	22
Conductor Construction(AWG)	19x29	7x30
Nom. Insulation Thickness (mm)	0.64	1.02
Screen Coverage (%)	115	
Nom. Drain wire size (AWG)	22(7x30)	
Nom. Overall Diameter(mm)	9.35	
Operating Temperature (°C)	-20 °C to +75 °C	
Min. Bend Radius (install) (mm)	94	
Max. Recommended Pulling Tension (N)	380	

Electrical and Transmission Characteristics at 20°C

Part Number	C1194	
Conductor Construction(AWG)	19x29	7x30
Max. DC Resistance Conductor (Ω /km)	14.7	59.3
Max. DC Resistance Screen (Ω /km)	57.4	
Capacitance conductor to conductor (pF/m)	52.5	29.5
Capacitance conductor to shield (pF/m)	91.8	52.5
Nominal Impedance (Ω)	-	120
VOP (%)	78	
Max. Recommended Current at 25°C (Amps)	7.0	2.7
Max. Operating Voltage (Vrms)	300	
Min. Insulation Resistance (M Ω *km)	10000	

Reference Standards

(BS) EN 50290-2	IEC 60228
IEC 60332-1	RoHS directives