# Device Bus Cable for Square D/Seriplex Appl. I pr I 6AWG & 22AWG, Overall Screen, PVC Sheath

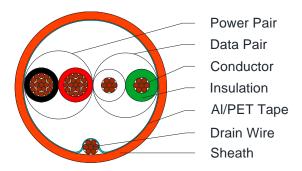


# C1194

# **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

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

# Device Bus Cable for Square D/Seriplex Appl. I pr I 6AWG & 22AWG, Overall Screen, PVC Sheath



# 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(7	x30)
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	С	C1194	
Conductor Construction(AWG)	19x29	7x30	
Max. DC Resistance Conductor (Ω/km)	14.7	59.3	
Max. DC Resistance Screen (Ω/km)	57	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 (%)	7	78	
Max. Recommended Current at 25°C (Amps)	7.0	2.7	
Max. Operating Voltage (Vrms)	30	300	
Min. Insulation Resistance (M $\Omega^*$ km)	100	10000	

## **Reference Standards**

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