

1812A Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (42x40) high-conductivity BC conductors, PVC insulation, double bare copper spiral shield (95% coverage), PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	24	42x40	High Conductivity BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.3048	1.1938

Inner Jacket

Inner Jacket Material:

Inner Jacket Material
PVC - Polyvinyl Chloride

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Double Spiral Serve	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Overall Cable

Overall Nominal Diameter: 5.410 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 44.482 N

Min. Bend Radius/Minor Axis: 57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Plenum/Non-Plenum

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METRIC MEASUREMENT VERSION

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Plenum (Y/N):

No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.643076

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
177.174

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
76.4473

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.3893

Max. Operating Voltage - Non-UL:

Voltage
100 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1812A B591000	1,000 FT	33.000 LB	BLACK, MATTE	C	2 #24 PVC PVC SRV PVC
1812A B59328	328 FT	10.496 LB	BLACK, MATTE		2 #24 PVC PVC SRV PVC
1812A G7V328	328 FT	10.496 LB	RED, MATTE		2 #24 PVC PVC SRV PVC
1812A G7W1000	1,000 FT	33.000 LB	GREEN, MATTE		2 #24 PVC PVC SRV PVC
1812A G7X1000	1,000 FT	33.000 LB	BLUE, MATTE	C	2 #24 PVC PVC SRV PVC

Notes:

C = CRATE REEL PUT-UP.

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