

1916A Multi-Conductor - FleXsnake® Super-Flexible, High-Performance Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (41x40) bare copper conductor, polyolefin insulation, individually shielded with double serve "French Braid" (93% coverage), TC drain wire, numbered/color-coded PVC jackets, overall Black PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
16	24	41x40	BC - Bare Copper	.0225

Total Number of Conductors: 32

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PO - Polyolefin	.008	.040

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
French Braid	BC - Bare Copper	95

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 19x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom Wall (in.)	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.014	.119

Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink
13	Lt Gray/Brown
14	Lt Gray/Red
15	Lt Gray/Orange
16	Lt Gray/Yellow

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

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Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.077

Overall Cable

Overall Nominal Diameter: 0.683 in.

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
1.000	12.000

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 255 lbs/1000 ft.

Max. Recommended Pulling Tension: 470 lbs.

Min. Bend Radius/Minor Axis: 6.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

EU CE Mark: No

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

MIL Order #39 (China RoHS): Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
60

Nom. Inductance:

Inductance (µH/ft)
.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
26.1

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
47.5

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
25.5

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 7.200 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.05 Amps per conductor @ 25°C

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1916A B591000	1,000 FT	279.000 LB	BLACK, MATTE	C	16 #24 JKTD PRS PVC
1916A B59250	250 FT	71.000 LB	BLACK, MATTE		16 #24 JKTD PRS PVC
1916A B59500	500 FT	135.000 LB	BLACK, MATTE	C	16 #24 JKTD PRS PVC

Notes:

C = CRATE REEL PUT-UP.

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