

1916A Multi-Conductor - FleXnake® 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. (mm)
16	24	41x40	BC - Bare Copper	0.5715

Total Number of Conductors: 32

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PO - Polyolefin	0.2032	1.016

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 (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.3556	3.0226

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

METRIC MEASUREMENT VERSION

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

16	Lt Gray/Yellow
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Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.9558

Overall Cable

Overall Nominal Diameter: 17.348 mm

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
25.4	39.372

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	379.491 Kg/Km
Max. Recommended Pulling Tension:	2090.650 N
Min. Bend Radius/Minor Axis:	175.260 mm

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
MII 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/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
85.6341

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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
155.848

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
83.6655

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 23.623 Ohm/km

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.05 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1916A B591000	305 MT	126.553 KG	BLACK, MATTE	C	16 #24 JKTD PRS PVC
1916A B59250	76 MT	32.205 KG	BLACK, MATTE		16 #24 JKTD PRS PVC
1916A B59500	152 MT	61.235 KG	BLACK, MATTE	C	16 #24 JKTD PRS PVC

Notes:

C = CRATE REEL PUT-UP.

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