

1908A 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:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------------|---------|-----|-----------|--------------------|-----------|
| 16 | 8 | 24 | 41x40 | BC - Bare Copper | 0.5842 |

Total Number of Conductors: 16

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PO - Polyolefin | 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. Dia. (mm) |
|--------------------------|----------------|
| PVC - Polyvinyl Chloride | 3.023 |

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Cabling Color Code Chart:

| Color |
|-------|
| 7 |

Overall Nominal Diameter: 12.243 mm

Pair

Pair Color Code Chart:

| Color |
|---------------|
| Red and Black |

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 193.466 Kg/Km

Max. Recommended Pulling Tension: 1023.086 N

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Min. Bend Radius/Minor Axis: 127 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 |
| 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/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

85.6341

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 |
|---------------|----------|-------------|--------------|-------|-------------------|
| 1908A B591000 | 1,000 FT | 138.000 LB | BLACK, MATTE | C | 8 #24 JKTD PR PVC |
| 1908A B59250 | 250 FT | 36.000 LB | BLACK, MATTE | | 8 #24 JKTD PR PVC |
| 1908A B59500 | 500 FT | 72.500 LB | BLACK, MATTE | | 8 #24 JKTD PR PVC |

Notes:

C = CRATE REEL PUT-UP.

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