

1509C Multi-Conductor - Flexible, CM Rated Cable



For more Information
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) TC conductor, polyolefin insulation, individually shielded Beldfoil® (100% coverage) numbered/color-coded PVC jackets, jackets and shields bonded to strip simultaneously, overall Beldfoil shield and 24 AWG TC drain wire.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 2 | 24 | 7x32 | TC - Tinned Copper | 0.6096 |

Insulation**Insulation Material:**

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

Inner Shield**Inner Shield Material:**

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: 7x32

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 | 2.8194 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Brown |
| 2 | Red |

Outer Shield**Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24 | 7x32 | TC - Tinned Copper |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8636 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 7.645 mm

Pair

Pair Color Code Chart:

Color

Red & Black

Pair Lay Length & Direction:

Lay Length (mm) Twists/ft. (twist/m)

44.449825 22.475

Mechanical Characteristics (Overall)

Operating Temperature Range: -35°C To +75°C

Bulk Cable Weight: 62.504 Kg/Km

Max. Recommended Pulling Tension: 246.430 N

Min. Bend Radius (Install)/Minor Axis: 73.660 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

190.298

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

76.4473

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 52.168 Ohm/km

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Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.05 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|--------|-------------|--------------|-------|---------------------------|
| 1509C B591000 | 305 MT | 20.865 KG | BLACK, MATTE | C | 2 PR #24 PO FS PVC FS PVC |
| 1509C B59500 | 152 MT | 10.886 KG | BLACK, MATTE | C | 2 PR #24 PO FS PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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