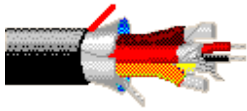


1516C Multi-Conductor - Flexible, CM Rated Cable

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. (in.) |
|---------|-----|-----------|--------------------|------------|
| 24 | 24 | 7x32 | TC - Tinned Copper | .024 |

Insulation

Insulation Material:

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

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 (in.) | Nom. Dia. (in.) |
|--------------------------|----------------|-----------------|
| PVC - Polyvinyl Chloride | .014 | .111 |

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 | Gray/Brown |
| 14 | Gray/Red |
| 15 | Gray/Orange |
| 16 | Gray/Yellow |

| | |
|----|-------------|
| 17 | Gray/Green |
| 18 | Gray/Blue |
| 19 | Gray/Purple |
| 20 | Gray/Gray |
| 21 | Gray/White |
| 22 | Gray/Black |
| 23 | Gray/Tan |
| 24 | Gray/Pink |

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 |
|-----|-----------|-------------------------------|
| 18 | 7x26 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .065 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.807 in.

Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.750 | 6.850 |

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 329 lbs/1000 ft.

Max. Recommended Pulling Tension: 418.400 lbs.

Min. Bend Radius (Install)/Minor Axis: 8 in.

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. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/ft)
.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
31

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
58

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
23.3

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15.900 Ohm/1000 ft

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 |
|---------------|----------|-------------|--------------|-------|----------------------------|
| 1516C B591000 | 1,000 FT | 371.000 LB | BLACK, MATTE | C | 24 PR #24 PO FS PVC FS PVC |
| 1516C B59500 | 500 FT | 180.500 LB | BLACK, MATTE | C | 24 PR #24 PO FS PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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