



For more Information
please call

1-800-Belden1



General Description:

16 AWG stranded (19x29) TC conductors, conductors cabled, Tefzel® insulation, drain wire, overall Beldfoil® Aluminum-Kapton® shield (100% coverage), Tefzel® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 3 | 16 | 19x29 | TC - Tinned Copper |

Total Number of Conductors: 3

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Wall Thickness (mm) |
|-----------------------|-------------------------------------|---------------------|
| Tefzel® | ETFE - Ethylene Tetrafluoroethylene | 0.356 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|------|-----------------------|--------------|
| Tape | Aluminum-Kapton® Foil | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 18 | Stranded | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material | Nom. Wall Thickness (mm) |
|-------------------------|-------------------------------------|--------------------------|
| Tefzel® | ETFE - Ethylene Tetrafluoroethylene | 0.508 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | Green |

Overall Nominal Diameter: 5.715 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -60°C To +150°C

Non-UL Temperature Rating: 150°C

Bulk Cable Weight: 66.969 Kg/Km

Max. Recommended Pulling Tension: 400.338 N

Min. Bend Radius/Minor Axis: 57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

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): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

METRIC MEASUREMENT VERSION

85241 Multi-Conductor - Control and Instrumentation Cable

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

Other Specification: NEMA HP3

Flame Test

UL Flame Test: VW-1

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
111.554

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
200.797

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
14.0099

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
7 Amps per conductor @ 25°C

Notes (Overall)

Notes: Tefzel and Kapton are DuPont trademarks.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------------|-------|-----------------------|
| 85241 3681000 | 1,000 FT | 49.000 LB | CLEAR, TRANSPARENT | C | 3#16 TEFZEL FS TEFZEL |

Notes:

C = CRATE REEL PUT-UP.

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