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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 (in.)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	0.014

#### 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 (in.)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	.020

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Green

Overall Nominal Diameter: 0.225 in.

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 150°C

Bulk Cable Weight: 45 lbs/1000 ft.

Max. Recommended Pulling Tension: 90 lbs.

Min. Bend Radius/Minor Axis: 2.250 in.

### 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

## 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/ft)

34

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

61.2

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.27

#### 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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