

## 85230 Multi-Conductor - Control and Instrumentation Cable, 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### Description:

20 AWG stranded (7x28) 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
2	20	7x28	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	.015

#### 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
22	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:

Color
Black
Red

Overall Nominal Diameter: 0.182 in.

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 150°C

Bulk Cable Weight: 25.200 lbs/1000 ft.

Max. Recommended Pulling Tension: 28 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.870 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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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

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

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

53

### Nom. Inductance:

Inductance (µH/ft)

.186

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

31

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

Capacitance (pF/ft)

59

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.3

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

4 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** Tefzel and Kapton are DuPont trademarks.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
85230 3681000	1,000 FT	29.000 LB	CLEAR, TRANSPARENT	C	2#20 TEFZEL FS TEFZEL
85230 368500	500 FT	12.500 LB	CLEAR, TRANSPARENT	C	2#20 TEFZEL FS TEFZEL

### Notes:

C = CRATE REEL PUT-UP.

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## 85230 Multi-Conductor - Control and Instrumentation Cable, 2 Conductors Cabled

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