

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



For more Information  
please call

1-800-Belden1



### General 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

Total Number of Conductors: 2

#### 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 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius/Minor Axis:	2 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
CA Prop 65 (CJ for Wire & Cable):	Yes

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MII Order #39 (China RoHS):	Yes
Other Specification:	NEMA HP3

### Flame Test

UL Flame Test:	VW-1
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

<b>Impedance (Ohm)</b>
53.000

#### Nom. Inductance:

<b>Inductance (µH/ft)</b>
0.190

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/ft)</b>
31

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

<b>Capacitance (pF/ft)</b>
59

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
9.3

#### Max. Operating Voltage - Non-UL:

<b>Voltage</b>
300 V RMS

#### Max. Recommended Current:

<b>Current</b>
4 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
85230 3681000	1,000 FT	29.000 LB	CLEAR, TRANSPARENT	C	2#20 TEFZEL FS TEFZEL
85230 368500	500 FT	14.500 LB	CLEAR, TRANSPARENT	C	2#20 TEFZEL FS TEFZEL

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 08-23-2012

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