

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 (mm)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	0.381

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 (mm)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	0.508

Overall Cable

Overall Cabling Color Code Chart:

Color
Black
Red

Overall Nominal Diameter: 4.623 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 150°C

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 124.550 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

METRIC MEASUREMENT VERSION

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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
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:

Impedance (Ohm)

53.000

Nom. Inductance:

Inductance (µH/m)

0.623

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

193.579

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

30.5133

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

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.

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