

85168 Multi-Conductor - High-Temperature Control and Instrumentation Cable



For more Information
please call

1-800-Belden1

**Description:**

20 AWG stranded (7x28) TC conductors, Tefzel® insulation, pairs cabled together, overall 100% overall Beldfoil aluminim-Kapton® shield (100% coverage), drain wire, Tefzel® insulation, clear Tefzel material jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
8	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:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum-Kapton® Foil	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	7x30		TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	.025

Overall Cable

Overall Nominal Diameter: 0.439 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 150°C

Bulk Cable Weight: 115.400 lbs/1000 ft.

Max. Recommended Pulling Tension: 224 lbs.

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Min. Bend Radius (Install)/Minor Axis:	4.400 in.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1685 UL Loading, 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)

73

Nom. Inductance:

Inductance (μH/ft)

.186

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

23

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

40

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
85168 3681000	1,000 FT	123.000 LB	CLEAR, TRANSPARENT	C	8 PR#20 TEFZEL FS TEFZEL

Notes:

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C = CRATE REEL PUT-UP.

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