

85109 Multi-Conductor - Control and Instrumentation Cables



For more Information
please call

1-800-Belden1



General Description:

16 AWG stranded (19x29) TC conductors, conductors cabled, Tefzel insulation, Tefzel jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
9	16	19x29	TC - Tinned Copper

Total Number of Conductors: 9

Insulation

Insulation Material:

Insulation Trade Name	Wall Thickness (mm)
Tefzel®	0.3429

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Nom. Wall Thickness (mm)
Tefzel®	0.6096

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White w/Black Stripe
8	Red w/Black Stripe
9	Green w/Black Stripe

Overall Nominal Diameter: 8.992 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-60°C To +150°C
Non-UL Temperature Rating:	150°C
Bulk Cable Weight:	165.934 Kg/Km
Max. Recommended Pulling Tension:	1218.810 N
Min. Bend Radius/Minor Axis:	101.600 mm

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
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. Inductance:

Inductance (µH/m)
0.55777

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
15.6176

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
9.5 Amps per conductor @ 25°C

Notes (Overall)

Notes: Tefzel is a trademark of Dupont.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
85109 3681000	1,000 FT	119.000 LB	CLEAR, TRANSPARENT	C	9#16 TEFZEL TEFZEL

Notes:

C = CRATE REEL PUT-UP.

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