

9161 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information
please call

1-800-Belden1

**Description:**

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

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

# Pairs	AWG	Stranding	Conductor Material
8	18	16x30	TC - Tinned Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.330

Inner Shield**Inner Shield Material:**

Inner Shield Material
Unshielded

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Overall Cabling

Overall Nominal Diameter: 12.319 mm

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:	-20°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	204.181 Kg/Km
Max. Recommended Pulling Tension:	1592.460 N

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Min. Bend Radius (Install)/Minor Axis: 120.650 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

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

Flame Test

C(UL) Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)

83.6655

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

19.2267

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current

3.4 Amps per conductor @ 20°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9161 060100	30 MT	6.441 KG	CHROME	C	8 PR #18 PVC FRPVC
9161 0601000	305 MT	67.586 KG	CHROME	C	8 PR #18 PVC FRPVC
9161 060500	152 MT	35.380 KG	CHROME	C	8 PR #18 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

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