



Part Number: 9161

Audio/Control/Instrumentation, (8 pr) 18 AWG (16x30) TC, PVC/PVC, CMG

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	16x30	TC - Tinned Copper	8

Conductor Count:	16
Total Number of Pairs:	8
AWG Size:	18

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.013 in

Color 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

Inner Shield Material

Material
Unshielded

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.485 in	0.037 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.86 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

25.5 pF/ft

Current

Max. Recommended Current [A]

3.4 Amps per conductor @ 20°C

Voltage

UL Voltage Rating

300V RMS

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	142 lbs/1000ft
Max Recommended Pulling Tension:	358 lbs
Min Bend Radius/Minor Axis:	5 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
9161 060100	CHROME	C
9161 0601000	CHROME	C

Footnote:	C - CRATE REEL PUT-UP.
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