



Product: [8208](#)

Electronic, 2 C #18 Str TC, EPDM Ins, OA TC Brd, PVC Jkt

[Request Sample](#)

Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, EPDM Insulation, Overall Tinned Copper Braid(73%) Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	16x30	TC - Tinned Copper	2

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.022 in

Color Chart

Number	Color
1	Red
	White

Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	73 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.257 in	0.025 in	Polyester Tape

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
46 pF/ft	77 pF/ft

Inductance

Nominal Inductance
0.2 µH/ft

Impedance

Nominal Characteristic Impedance

44 Ohm

Current

Max. Recommended Current [A]

5.2 Amps per conductor @ 25°C

Voltage

Non-UL Voltage Rating

300 V

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C to +80°C

Mechanical Characteristics

Bulk Cable Weight:	40 lbs/1000ft
Max Recommended Pulling Tension:	69 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

CPR Euroclass:	Eca
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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):	2004-01-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8208 060100	Chrome	Reel	100 ft	612825196051
8208 060500	Chrome	Reel	500 ft	612825196075
8208 060U500	Chrome	UnReel	500 ft	612825196044
8208 0601000	Chrome	Reel	1,000 ft	612825196068
8208 060U1000	Chrome	UnReel	1,000 ft	612825196037
8208 0605000	Chrome	Reel	5,000 ft	612825196082

Footnote: C - CRATE REEL PUT-UP.

Footnote: Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Product Notes

Notes:	No surface printing.
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History

Update and Revision:	Revision Number: 0.299 Revision Date: 05-27-2020
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