



Product: [8208](#) 

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

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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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Construction Details

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.022 in (0.56 mm)	0.091 in (2.3 mm)	Red, White

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	73%

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.257 in (6.53 mm)

Overall Cable Diameter (Nominal):	0.257 in (6.53 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance	Max. Current
Conductor(s)	6.5 Ohm/1000ft	46 pF/ft (150 pF/m)	77 pF/ft (250 pF/m)	44 Ohm	0.2 µH/ft (0.66 µH/m)	5.2 Amps per Conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cnrv:	2.09 Ohm/1000ft (6.86 Ohm/km)
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Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
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2.57 in (65.3 mm)	2.57 in (65.3 mm)
Max. Pull Tension:	41.6 lbs (18.9 kg)
Bulk Cable Weight:	40 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	No surface printing.
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History

Update and Revision:	Revision Number: 0.526 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8208 060100	Chrome	Reel	100 ft	612825196051	
8208 060500	Chrome	Reel	500 ft	612825196075	C
8208 060U500	Chrome	UnReel	500 ft	612825196044	
8208 0601000	Chrome	Reel	1,000 ft	612825196068	C
8208 060U1000	Chrome	UnReel	1,000 ft	612825196037	
8208 0605000	Chrome	Reel	5,000 ft	612825196082	C Z
Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.				

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