



Product: [8718](#) 

Electronic, 2 C #12 Str TC, PE Ins, OS, PVC Jkt, CL2

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Product Description

Electronic, 2 Conductor 12AWG (19x25) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CL2

Technical Specifications

Product Overview

Suitable Applications:	up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	12 AWG	19x25	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.037 in (0.94 mm)	0.164 in (4.17 mm)	Black & Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	14 AWG (19x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.034 in (0.86 mm)	0.400 in (10.2 mm)

Overall Cable Diameter (Nominal):	0.400 in (10.2 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 Impedance	Nom. Inductance	Max. Current
Conductor(s)	1.78 Ohm/1000ft	25 pF/ft (82 pF/m)	49 pF/ft (160 pF/m)	55 Ohm	0.2 µH/ft (0.66 µH/m)	30 Amps per Conductor at 30°C

Nom Outer Shield DCR@Cond DCR1-cnrv:	2.14 Ohm/1000ft (7.02 Ohm/km)
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Voltage

UL Voltage Rating
600 V (UL AWM 20253), 300 V (CSA AWM)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
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4.0 in (100 mm)	4.0 in (100 mm)
Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	87 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, CL2
AWM Compliance:	AWM 20253
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)

History

Update and Revision:	Revision Number: 0.534 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8718 060500	Chrome	Reel	500 ft	612825214212	C
8718 060U500	Chrome	UnReel	500 ft	612825214182	
8718 0601000	Chrome	Reel	1,000 ft	612825214199	C
8718 0602000	Chrome	Reel	2,000 ft	612825214205	C
8718 0605000	Chrome	Reel	5,000 ft	612825214229	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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