



Product: [8791](#) 

Electronic, 3 C #18 Str TC, PVC Ins, OA TC Srv, PVC Jkt

 [Request Sample](#)

Product Description

Electronic, 3 Conductor 18AWG (7x26) Tinned Copper, PVC Insulation, Overall Tinned Copper Serve Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.090 in (2.3 mm)	Black, Red, White

Outer Shield

Shield Type	Material	Coverage
Spiral Serve / Screen	Tinned Copper (TC)	80%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.260 in (6.60 mm)

Overall Cable Diameter (Nominal):	0.260 in (6.60 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	7.06 Ohm/1000ft	47 pF/ft (150 pF/m)	84 pF/ft (280 pF/m)	8 Amps per Conductor at 30°C

Nom Outer Shield DCR:	8.5 Ohm/1000ft (28 Ohm/km)
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Voltage

Voltage Rating
450 V

Mechanical Characteristics

Temperature

Operating
-30°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	85 lbs (39 kg)
Bulk Cable Weight:	42 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	IEC 60332-1-2
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)

History

Update and Revision:	Revision Number: 0.505 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8791 060500	Chrome	Reel	500 ft	612825216490	C
8791 0601000	Chrome	Reel	1,000 ft	612825216483	C
8791 060U1000	Chrome	UnReel	1,000 ft	612825216476	
8791 0605000	Chrome	Reel	5,000 ft	612825216506	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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