



Product: [8787](#)



Audio, Control and Instrumentation, 8 Conductor 24 AWG, Shielded Quads; 2 Conductor 22 AWG Unshielded

Product Description

8 Conductor 24 AWG stranded (7x32) TC, shielded quads, polyethylene insulation, 24 AWG stranded TC drain wire; 2 Conductor 22 AWG stranded (7x30) TC, Unshielded, PVC insulation, PVC 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	Number of Element	Size	Stranding	Material
Conductor(s)	8	24 AWG	7x32	TC - Tinned Copper
Conductor(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.012 in (0.30 mm)	0.048 in (1.2 mm)	Red Quad, White, Green Quad, Blue
Conductor(s)	PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.060 in (1.5 mm)	Gray, White, Blue, Green, Red Beldfoil®, Brown, Red, Yellow, Orange, Green Beldfoil®, White, Blue, Unshielded

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Over Quad	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Over Quad	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Table Notes:	Gray, White, Blue, Green; Brown, Red, Yellow, Orange; White, Blue
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Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.03 in (0.76 mm)	0.29 in

Overall Cable Diameter (Nominal):	0.29 in.
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
28.7 Ohm/1000ft	15.79 Ohm/1000ft (51.80 Ohm/km)	1.5 Amps per Conductor at 25°C (24 AWG)
15 Ohm/1000ft (49 Ohm/km)	15.79 Ohm/1000ft (51.80 Ohm/km)	3 Amps per Conductor at 25°C (22 AWG)

Voltage

Voltage Rating
350 V

Mechanical Characteristics

Temperature

Operating
-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
2.9 in (74 mm)	2.9 in

Max. Pull Tension:	51.2 lbs (23.2 kg)
Bulk Cable Weight:	45 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	VW-1, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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:	Inner Beldfoil« shield over 24 AWG quads. Each quad wrapped in transparent polyester tape. Red Beldfoil« shield over one quad, Green Beldfoil« shield over the other. (2) quads and (2) unshielded conductors cabled.
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History

Update and Revision:	Revision Number: 0.359 Revision Date: 12-20-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8787 060500	Chrome	Reel	500 ft	612825216391
8787 060U500	Chrome	UnReel	500 ft	612825216414

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