

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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
24	7x32	TC - Tinned Copper	8
22	7x30	TC - Tinned Copper	2

Conductor Count:	10
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Insulation

Element	Material	Nominal Wall Thickness
24 AWG	PE - Polyethylene	0.012 in
22 AWG	PVC - Polyvinyl Chloride	0.015 in

Color Chart

Number	Color
1	Red Quad
2	White
3	Green Quad
4	Blue

Color Chart 2

Color
Gray, White, Blue, Green
Red Beldfoil®
Brown, Red, Yellow, Orange
Green Beldfoil®
White, Blue
Unshielded

Inner Shield

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Over Quad	Tape	Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	100%	TC - Tinned Copper	24	7x32
Over Quad	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%		TC - Tinned Copper	
	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%			

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

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.29 in	0.03 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Inner Shield DCR
24 AWG	23.9 Ohm/1000ft	5 Ohm/1000ft
22 AWG	15 Ohm/1000ft	

Current

Max. Recommended Current [A]
1.5 Amps per Conductor at 25°C (24 AWG); 2.0 Amps per Conductor at 25°C (22 AWG)

Voltage

Non-UL Voltage Rating
350 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	45 lbs/1000ft
Max. Pull Tension:	62.2 lbs
Min. Bend Radius/Minor Axis:	3 in

Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1, UL1685 UL Loading
IEC Flammability:	IEC 60332-1-2

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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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: 0.346 Revision Date: 08-27-2021
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