



Product: [8786](#)



Audio, Control and Instrumentation, 4 Conductor 24 AWG, Shielded; 2 Conductor 22 AWG Unshielded, CM

Product Description

4 Conductor 24 AWG stranded (7x32) and 2 Conductor 22 AWG stranded (7x30) TC conductors, PVC insulation, (4) conductors cabled, 22 AWG stranded TC drain wire, CM 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	No. of Elements	Size	Stranding	Material
Conductor(s)	4	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)	PVC - Polyvinyl Chloride	0.0155 in (0.394 mm)	0.054 in (1.4 mm)	Blue Quad, Blue, White
Conductor(s)	PVC - Polyvinyl Chloride	0.0155 in (0.394 mm)	0.060 in (1.5 mm)	Black, Green, Red, Yellow, Blue Beldfoil®, Blue, White, Unshielded

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Over Quad	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.236 in

Overall Cable Diameter (Nominal):	0.236 in.
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Velocity of Prop.	Max. Current
32.1 Ohm/1000ft	11.9 Ohm/1000ft (39.0 Ohm/km)	65%	1.5 Amps per Conductor at 25°C (24 AWG)
15 Ohm/1000ft (49 Ohm/km)			3 Amps per Conductor at 25°C (22 AWG)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-20°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
2.36 in (59.9 mm)	2.36 in

Max. Pull Tension:	49.3 lbs (22.4 kg)
Bulk Cable Weight:	30 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL 1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
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. (4) conductors cabled under 100% Beldfoil« shield; (2) conductors unshielded. Quad connection scheme: The black & red wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the green & yellow wires (or remaining wires) are connected together to form the second conductor.
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History

Update and Revision:	Revision Number: 0.362 Revision Date: 05-31-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8786 060500	Chrome	Reel	500 ft	612825216377	C
8786 060U500	Chrome	UnReel	500 ft	612825216407	

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