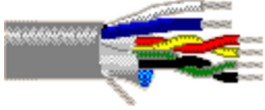


Product: [8786](#) 



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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	7x32	TC - Tinned Copper	0.024 in	4
22	7x30	TC - Tinned Copper	0.03 in	2

Conductor Count:	6
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Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in

Color Chart

Number	Color
1	Blue Quad
2	Blue
3	White

Color Chart 2

Color
Black, Green, Red, Yellow
Blue Beldfoil®
Blue, White
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%		22	7x30
				100%	TC - Tinned Copper		

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.236 in	0.028 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Inner Shield DCR
24 AWG	23.9 Ohm/1000ft	11.9 Ohm/1000ft
22 AWG	15 Ohm/1000ft	
24 AWG Quad(s)		

Capacitance

Nom. Capacitance Between Conductors in Quad
20 pF/ft

Delay

Nominal Velocity of Propagation (VP) [%]
65%

Current

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

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	2/c 21 AWG equivalent DCR when connected to a 3-pin XLR
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Temperature Range

Non-UL Temp Rating:	90°C
Operating Temp Range:	-20°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max. Pull Tension:	40.2 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM

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:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8786 060500	Chrome	Reel	500 ft	612825216377
8786 060U500	Chrome	UnReel	500 ft	612825216407

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