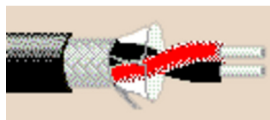


Product: [8437](#) 



Audio, Control and Instrumentation, 1 Pair 22 AWG Solid, Shielded, CMG

Product Description

1 Twisted Pair 22 AWG solid TC, PVC insulation, polyester tape, TC braid shield (90% coverage), 22 AWG solid TC drain wire, 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

Size	Stranding	Material
22	Solid	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Color Code
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	Black & Red

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	90%

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.188 in (4.78 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance	Max. Current
16.2 Ohm/1000ft (53.1 Ohm/km)	48 pF/ft (160 pF/m)	85 pF/ft (280 pF/m)	46 Ohm	0.2 µH/ft (0.66 µH/m)	2.9 Amps per Conductor at 25°C
Nom Outer Shield DCR:		4.9 Ohm/1000ft (16 Ohm/km)			

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2095)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C (UL AWM Style 2095)	-20°C To +80°C

Max. Pull Tension:	48 lbs (22 kg)
Bulk Cable Weight:	22 lbs/1000ft (33 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading
NEC / UL Compliance:	CMG
AWM Compliance:	AWM 2095 (300 V 80°C)
CEC / C(UL) Compliance:	CMG
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Overall Cabling Separator Material: Polyester Tape
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History

Update and Revision:	Revision Number: 0.541 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8437 0101000	Black	Reel	1,000 ft	612825207177	C

Footnote:	C - CRATE REEL PUT-UP.
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