BELDEN

Product: 9772 ↗

Audio & Instrumentation, 12 Triads 22 AWG (36C) TC, Individually Jacketed

Product Description

12 Individually jacketed triads 22 AWG stranded (7x30) TC conductors, polypropylene insulation, 22 AWG stranded TC drain wire, overall 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Triad(s)	12	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Triad(s)	PP - Polypropylene	0.0085 in (0.22 mm)	0.046 in mm	Black, Red, Green	
				Black, Red, Green, Yellow, Blue, Brown, Orange, Grey, Violet, Black/Black, Red/Black, Green/Black	Colors Indicated here is for Inner Jacket

Inner Shield

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

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.02 in (0.51 mm)	0.150 in (3.81 mm)

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Paper Tape	PVC - Polyvinyl Chloride	0.06 in (1.5 mm)	0.725 in	Yes

Overall Cable Diameter (Nominal):	0.725 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
15 Ohm/1000ft	12.1 Ohm/1000ft (39.7 Ohm/km)	34 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	2.3 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
2.32 in (58.9 mm)	2.32 in

Max. Pull Tension:	327.6 lbs (148.6 kg)
Bulk Cable Weight:	257lbs/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:	Each triad shielded with 100% Beldfoil« shield and drain wire, encased in a .020"" white PVC jacket with color coded stripes.

History

Update and Revision:	Revision Number: 0.369 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9772 060500	Chrome	Reel	500 ft	612825358138	C

Mouser Electronics

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