

Product: 8762

Electronic, 2 C #20 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM, Suitable for Audio, Control, and Instrumentation Applications

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	Number of Element	Size	Stranding	Material
Pair(s)	1	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PE - Polyethylene	0.017 in (0.43 mm)	Black, Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.204 in (5.18 mm)

Overall Cable Diameter (Nominal):	0.204 in (5.18 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	9.5 Ohm/1000ft (31 Ohm/km)	27 pF/ft (89 pF/m)	49 pF/ft (160 pF/m)	56 Ohm	3.9 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2092)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C (UL AWM 2092)	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.

2.0 in (51 mm)	2.0 in (51 mm)

Max. Pull Tension:	38 lbs (17 kg)
Bulk Cable Weight:	21 lbs/1000ft (31 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2092
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)

History

Update and Revision:	Revision Number: 0.383 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
8762 060100	Chrome	Reel	100 ft	612825215363
8762.00U152	Chrome	UnReel	152 m	8719605019059
8762.01152	Chrome	Reel	152 m	8719605019073
8762 060250	Chrome	Reel	250 ft	612825215400
8762.00U305	Chrome	UnReel	305 m	8719605019066
8762.01305	Chrome	Reel	305 m	8719605019080
8762 060500	Chrome	Reel	500 ft	612825215417
8762 060U500	Chrome	UnReel	500 ft	612825215356
8762.01610	Chrome	Reel	610 m	8719605019097
8762 0601000	Chrome	Reel	1,000 ft	612825215370
8762 060U1000	Chrome	UnReel	1,000 ft	612825215349
8762 0602000	Chrome	Reel	2,000 ft	612825215394
8762 06010000	Chrome	Reel	10,000 ft	612825215387

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