BELDEN



Product: 8771

Electronic, 3 C #22 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 3 Conductor 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …); line level audio; voice communications; panel wiring

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.017 in (0.43 mm)	0.062 in (1.6 mm)	Black, Red, Clear

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.199 in (5.05 mm)

Overall Cable Diameter (Nominal):	0.199 in (5.05 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	17.8 Ohm/1000ft	23 pF/ft (75 pF/m)	41 pF/ft (130 pF/m)	6 Amps per Conductor at 30ºC

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2093)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
0.56 in (14 mm)	2.0 in (51 mm)

Max. Pull Tension:	36.4 lbs (16.5 kg)

Bulk Cable Weight:	22 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2093
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)

History

Update and Revision:	Revision Number: 0.534 Revision Date: 04-19-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8771.00U152	Chrome	UnReel	152 m	8719605019264	
8771.01152	Chrome	Reel	152 m	8719605019288	
8771 060250	Chrome	Reel	250 ft	612825215738	
8771.00U305	Chrome	UnReel	305 m	8719605019271	
8771.01305	Chrome	Reel	305 m	8719605019295	
8771 060500	Chrome	Reel	500 ft	612825215745	
8771 060U500	Chrome	UnReel	500 ft	612825215707	
8771 0601000	Chrome	Reel	1,000 ft	612825215714	C
8771 060U1000	Chrome	UnReel	1,000 ft	612825215691	
8771.013050	Chrome	Reel	3,050 m	8719605019301	
8771 06010000	Chrome	Reel	10,000 ft	612825215721	C Y

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