



Part Number: 8771

Audio/Control/Instrumentation, (3) 22 AWG (7x30) TC, PE/PVC, Foil Shld, CM

Product Description

Three 22 AWG stranded (7x30) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	3

Total Number of Conductors:	3
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Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.017 in

Color Chart

Number	Color
1	Black
2	Red
3	Clear

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.199 in	0.033 in

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
23 pF/ft	41 pF/ft

Construction and Dimensions

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15 Ohm/1000ft	11.7 Ohm/1000ft

Impedance

Nominal Characteristic Impedance
N/A

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2.9 Amps per conductor @ 25°C ambient

Voltage

UL Voltage Rating
300V RMS

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CM
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
UL AWM Style:	UL Style 2093 (300 V 60°C)

Flame Test

CSA Flammability:	FT1
UL Flammability:	UL1685 UL Loading

Safety

UL Voltage Rating:	300 V RMS
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Suitability

Suitability - Indoor:	Yes
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Mechanical Characteristics

Operating Temp Range:	-20°C To +60°C
Bulk Cable Weight:	22(lbs/1000ft)
Max Recommended Pulling Tension:	36(lbs)
Min Bend Radius/Minor Axis:	2(in)

Temperature Range

UL Temp Rating:	60°C (UL AWM Style 2093)
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Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Variants

Item #	Color
8771.00U152	CHROME

8771.00U305	CHROME
8771.01152	CHROME
8771.01305	CHROME
8771.013050	CHROME
8771 0601000	CHROME
8771 06010000	CHROME
8771 060250	CHROME
8771 060500	CHROME
8771 060U1000	CHROME
8771 060U500	CHROME

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