

Part Number: 8471

Audio/Control/Instrumentation, (1 pr) 16 AWG (19x29)
TC, PVC/PVC, CMG

Product Description

One 16 AWG pair stranded (19x29) tinned copper conductors, twisted pair, PVC insulation, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	1

Total Number of Conductors:	2
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Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.023 in

Color Chart 1:

Number	Color
1	Black & White

Innershield:

Material
Unshielded

Cabling 1:

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.274 in	0.032 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
4.49 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor
33 pF/ft

Current:

Element	Max. Recommended Current [A]
10C temperature rise	6.1 Amps per conductor @ 25°C ambient

Inductance:

Nominal Inductance
0.19 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	61 lbs

Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

Temperature Range

Non-UL Temp Rating:	60°C (UL AWM Style 2598)
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Operating Temp Range:	-20°C To +80°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.75 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
8471 0601000	CHROME	Reel	1000 ft
8471 0605000	CHROME	Reel	5000 ft
8471 060500	CHROME	Reel	500 ft
8471 060U1000	CHROME	UnReel	1000 ft
8471 060U500	CHROME	UnReel	500 ft
8471.00305	CHROME	Reel	305 ft
8471.00U152	CHROME	UnReel	152 ft
8471.00U305	CHROME	UnReel	305 ft
8471.011525	CHROME	Reel	1525 ft
8471.01152	CHROME	Reel	152 ft
8471.01153	CHROME	Reel	153 ft
8471NH 010500	BLACK	Reel	500 ft

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.