



Part Number: 83393

Control/Instrumentation, (2) 20 AWG (7x28) TC,
FEP/Silicone Rubber, Foil+Nylon Shld

Product Description

Two 20 AWG stranded (7x28) tinned copper conductors, Teflon® (FEP) insulation, noise reducing tape, overall Beldfoil® shield (100% coverage), silicone rubber jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper	2
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.02 in

Color Chart 1:

Number	Color
1	Black
2	Red

Cabling 1:

Lay Length	Lay Direction	Twists	Filler
1.625 in	Left Hand	7.4 twist/ft	Fiberglass yarn

Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm
Tape	1	Noise Reducing Conductive Nylon					

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
Silicone Rubber	0.242 in	0.037 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
10.5 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 pF/ft	40 pF/ft

Current:

Element	Max. Recommended Current [A]
10C Temperature Rise	3.8 Amps per conductor @ 25°C ambient

Inductance:

Nominal Inductance
0.2 µH/ft

Voltage:

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Shield to ground through jacket	UL AWM 4516	600 V RMS	2000 V DC

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	25.2 lbs

Safety

UL Flammability:	VW-1 (Singles)
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Temperature Range

Operating Temp Range:	-70°C To +150°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 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)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
Other Specification:	Other 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
83393 004500	YELLOW	Reel	500 ft

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