



Part Number: 83396

Control/Instrumentation, (4) 22 AWG (7x30) TC, FEP/Silicone rubber, Foil+Nylon Shld

Product Description

Four 22 AWG stranded (7x30) TC 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
22	7x30	TC - Tinned Copper	4
Total Number of Conductors:			4

Insulation:

Material	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.016 in

Color Chart 1:

Number	Color
1	Black
2	White
3	Red
4	Green

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	22	7x30 mm
Tape	2	Noise Reducing Conductive Nylon					

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
Silicone Rubber	0.217 in	0.03 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
17.5 Ohm/1000ft

Capacitance:

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

Current:

Max. Recommended Current [A]
2.8 Amps per conductor @ 25°C

Voltage:

Non-UL Description	Non-UL Voltage Rating
Between Conductors	350 V RMS
Through Jacket	2000 V DC

Use

Max Recommended Pulling Tension:	40 lbs
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Safety

Temperature Range

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

Min Bend Radius/Minor Axis:	2.25 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
83396 002100	RED	Reel	100 ft
83396 002500	RED	Reel	500 ft

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