

Part Number: 83396

Electronic, 4 C #22 Str TC, FEP Ins, OS, Silicone Jkt, AWM 4516

Request Sample

Product Description

High Temperature Electronic, 4 Conductor 22AWG (7x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, Silicone Outer Jacket, AWM 4516

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	4

Conductor Count:	4
Conductor Size:	22 AWG

Insulation

Material	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.0155 in

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm
Tape	2	Noise Reducing Conductive Nylon					

Outer Jacket Material

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	Voltage Rating [V]
Between Conductors	350 V RMS Between Conductors	2000 V DC Through Jacket
Through Jacket	2000 V DC V	

Temperature Range

Operating Temp Range:	-70°C To +150°C

Mechanical Characteristics

Bulk Cable Weight:	32 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.25 in

Standards

UL AWM Style:	UL Style 4516 (600 V 150°C)
CPR Euroclass:	Eca
Other Specification:	NEMA HP3

Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
83396 002100	Red	
83396 002500	Red	C

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Teflon« is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

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