



**Product:** [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

### Product Overview

Suitable Applications:	extreme high/low temperature environments; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	4	22	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.016	Black, White, Red, Green

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape + Tape	Textile (Conductive) + Bi-Laminate (Alum+Poly)	100% + 100%	22 AWG (7x30) TC

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
Silicone Rubber	0.030 in	0.217 in

Cable Diameter (Nominal):	0.217 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	17.5 Ohm/1000ft	22 pF/ft	40 pF/ft	2.8 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating	Non-UL Voltage Rating
600 V (UL AWM 4516)	350 V (Between Conductors), 2000 V DC (Through Jacket)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
150°C (UL AWM 4516)	-70°C to +150°C

#### Bend Radius

Stationary Min.	Installation Min.
2.25 in	2.2 in

Max. Pull Tension:	46 lbs
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Bulk Cable Weight:	32 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	IEC 60332-1-2
AWM Compliance:	4516
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	NEMA HP3

## 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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## History

Update and Revision:	Revision Number: 0.350 Revision Date: 09-30-2020
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