BELDEN
SENDING ALL THE RIGHT SIGNALS

Product: 83395

Electronic, 3 C #22 Str TC, FEP Ins, OS, Silicone Jkt, AWM 4516

Request Sample

Product Description

High Temperature Electronic, 3 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

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	3	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness [in]	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.0155	Black, Red, White

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape + Tape	Conductive Textile + Alum / Poly	1%	22 AWG (7x30) TC

Outer Jacket Material

Material	Thickness	Diameter
Silicone Rubber	0.0315 in	0.208 in

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 @ 25°C

Voltage

UL Voltage Rating	Non-UL Voltage Rating
600 V (UL AWM 4516)	600 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.
2.25 in

Max. Pull Tension:	30 lbs
Bulk Cable Weight:	28 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Fire Resistance:	IEC 60332-1-2
AWM Compliance:	4516
Military Compliance:	MIL-W-16878/4 (Type E except stranding), (insulated conductors)
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.

History

Update and Revision:	Revision Number: 0.309 Revision Date: 06-05-2020