



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
------------------------	--

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
---------------------------	----------

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
--------------------	--------

Bulk Cable Weight:	32 lbs/1000ft
--------------------	---------------

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.
--------	---

History

Update and Revision:	Revision Number: 0.339 Revision Date: 08-25-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[83396 002100](#) [83396 002500](#)