



Product: [5410/9](#) 

XTRAGUARD 1, 9C #22, Str, PVC, 600 V, AWM/STYLE 2501 105C, VW-1, AWM/STYLE 1015 105C, MTW 90C, MTW 90C, AWM/STYLE 20811 105C, CSA C(RU) AWM I/II A/B, CSA FT4, CSA TEW

Product Description

XTRAGUARD 1, 9 Conductor 22 AWG (7/30) TC - Tinned Copper, PVC Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2501 105C, VW-1, AWM/STYLE 1015 105C, MTW 90C, MTW 90C, AWM/STYLE 20811 105C, CSA C(RU) AWM I/II A/B, CSA FT4, CSA TEW C(RU) AWM I/II A/B, FT4, TEW UL FT4, VW-1; CSA FT4; EN 60332-1 Flame Behavior; EN 60332-2 Flame Behavior

Technical Specifications

Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	9	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.094 in (2.4 mm)	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Slate

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.477 in (12.1 mm)	Yes

Overall Cable Diameter (Nominal):	0.477 in (12.1 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	25 pF/ft (82 pF/m)	45 pF/ft (150 pF/m)	0.25 μ H/ft (0.82 μ H/m)

Nom Outer Shield DCR:	103 Ohm/1000ft (338 Ohm/km)
-----------------------	-----------------------------

Voltage

UL Voltage Rating	Voltage Rating
600 V (MTW, AWM 20811, AWM 2501)	600 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Bend Radius

Stationary Min.

4.8 in (120 mm)

Max. Pull Tension: 32 lbs (15 kg)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2, IEC 60332-2-2
NEC / UL Compliance:	MTW
AWM Compliance:	AWM 2501AWM 20811, AWM I/II A/B
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire -* P/N 5410/9 9C 22 AWG XTRAGUARD(R) 1 (UL) MTW 600V OR AWM 2501 105C 600V OR AWM 20811 105C 600V VW-1 OR CRU AWM I/II A/B 105C 600V FT4 CE ROHS SUNLIGHT RESISTANT OIL RESISTANT (SEQ FOOTAGE)
--------	--

History

Update and Revision:	Revision Number: 0.75 Revision Date: 06-30-2026
----------------------	---

Part Numbers**Variants**

Item #	Color
5410/9 SL001	Black
5410/9 SL005	Black

© 2026 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.