



Product: [3223](#)

Communication and Control, 4C #22, Str, PVC/NYLON, 600 V

Product Description

Communication and Control, 4 Conductor 22 AWG (19/34) TC - Tinned Copper, PVC/NYLON Insulation, Overall Tinned Copper Shield, Slate PVC Outer Jacket

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.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	19x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.010 in (0.25 mm)	0.058 in (1.5 mm)	White, Black, Red, Green

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	90%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.203 in (5.16 mm)

Overall Cable Diameter (Nominal):	0.203 in (5.16 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	45 pF/ft (150 pF/m)	81 pF/ft (270 pF/m)	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	47 Ohm/1000ft (150 Ohm/km)
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Voltage

Voltage Rating
600 V (MIL-SPEC)

Mechanical Characteristics

Temperature

Operating
-55°C To +105°C

Bend Radius

Stationary Min.
2.0 in (51 mm)

Max. Pull Tension:	3.5 lbs (1.6 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
Military Compliance:	MIL-W-16878/17
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 3223 CE ROHS
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History

Update and Revision:	Revision Number: 0.125 Revision Date: 08-28-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
3223 SL005	Slate	Reel	100 ft
3223 SL002	Slate	Reel	500 ft
3223 SL001	Slate	Reel	1,000 ft

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