



Product: [6014L](#) 

Communication and Control, 9PR #22, Str, Low Smoke Zero Halogen (LSZH), 300 V, CMG 75C, CSA FT4, CSA C(UL) TYPE CMG

Product Description

Communication and Control, 9 Pair 22 AWG (7/30) TC - Tinned Copper, Low Smoke Zero Halogen (LSZH) Insulation, Slate Low Smoke Zero Halogen (LSZH) Outer Jacket, CMG 75C, CSA FT4, CSA C(UL) TYPE CMG FT4, C(UL) TYPE CMG UL FT4; CSA FT4

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
Pair(s)	9	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.010 in (0.25 mm)	0.050 in (1.3 mm)	Black-Red, Black-White, Black-Green, Black-Blue, Black-Brown, Black-Yellow, Black-Orange, Red-Green, Red-White

Inner Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.025 in (0.64 mm)	0.397 in (10.1 mm)

Overall Cable Diameter (Nominal): 0.397 in (10.1 mm)

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance
Pair(s)	43 pF/ft (140 pF/m)	77 pF/ft (250 pF/m)	46 Ohm	0.18 µH/ft (0.59 µH/m)

Voltage

UL Voltage Rating
300 V (CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.

4.0 in (100 mm)

Max. Pull Tension: 74 lbs (34 kg)

Standards and Compliance

Environmental Suitability: Indoor

Flammability / Reaction to Fire: UL1685 FT4 Loading, FT4

NEC / UL Compliance: Article 800, CMG

CEC / C(UL) Compliance: CMG

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 6014L 9PR 22 AWG EXXXXXX SHIELDED 75C (UL) C(UL) TYPE CMG --- LSZH CE ROHS

History

Update and Revision: Revision Number: 0.8 Revision Date: 06-30-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
6014L SL005	Black and Red	Reel	100 ft
6014L SL002	Black and Red	Reel	500 ft
6014L SL001	Black and Red	Reel	1,000 ft

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