



Product: [M5342](#) 

COMP, 15C #22, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2464 80C, CMG 75C, CSA FT4, CSA C(UL) TYPE CMG

Product Description

COMP, 15 Conductor 22 AWG (7/30) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2464 80C, 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
Conductor(s)	15	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.050 in (1.3 mm)	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Slate, White, White/Black, White/Brown, White/Red, White/Orange, White/Yellow

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Braid	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Braid	Tinned Copper (TC)	70%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.323 in (8.20 mm)	Yes

Overall Cable Diameter (Nominal): 0.323 in (8.20 mm)

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	35 pF/ft (110 pF/m)	63 pF/ft (210 pF/m)	0.18 μH/ft (0.59 μH/m)

Nom Outer Shield DCR: 29 Ohm/1000ft (95 Ohm/km)

Voltage

UL Voltage Rating
300 V (CMG, AWM 2464)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.

3.2 in (81 mm)

Max. Pull Tension: 93 lbs (42 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464
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 M5342 15C 22 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS

History

Update and Revision: Revision Number: 0.17 Revision Date: 06-30-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
M5342 SL005	Black	Reel	100 ft
M5342 SL001	Black	Reel	1,000 ft

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