



**Product:** [6342](#) 

Communication and Control, 6C #22, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2464 80C, CM 75C, VW-1, CSA C(UL) TYPE CMG, CSA FT4

## Product Description

Communication and Control, 6 Conductor 22 AWG (7/30) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2464 80C, CM 75C, VW-1, CSA C(UL) TYPE CMG, CSA FT4 C(UL) TYPE CMG, FT4 UL FT4, VW-1; 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)	6	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, White, Red, Green, Brown, Blue

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Braid	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	65%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.241 in (6.12 mm)

Overall Cable Diameter (Nominal):	0.241 in (6.12 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)	35 pF/ft (110 pF/m)	63 pF/ft (210 pF/m)	0.18 µH/ft (0.59 µH/m)

Nom Outer Shield DCR:	58 Ohm/1000ft (190 Ohm/km)
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#### Voltage

UL Voltage Rating
300 V (CMG, CM, AWM 2464)

### Mechanical Characteristics

#### Temperature

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

## Bend Radius

### Stationary Min.

2.4 in (61 mm)

Max. Pull Tension: 40 lbs (18 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, CM
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 6342 6C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 60C TYPE CMG FT4 CE ROHS

## History

Update and Revision: Revision Number: 0.121 Revision Date: 06-30-2026

## Part Numbers

### Variants

Item #	Color
6342 SL005	Black
6342 SL002	Black
6342 SL001	Black

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