



**Product:** [M5397](#) 

COMP, 8C #18, Str, PVC, 300 V, AWM/STYLE 2464 80C, CMG 75C, CSA FT4, CSA C(UL) TYPE CMG

## Product Description

COMP, 8 Conductor 18 AWG (16/30) TC - Tinned Copper, PVC 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.
------------------------	--

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	8	18 AWG	16x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.079 in (2.0 mm)	Black, Red, White, Green, Orange, Blue, Brown, Yellow

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Braid	Bi-Laminate (Alum+Poly)	100%	18 AWG (16x30) TC
Braid	Tinned Copper (TC)	70%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.356 in (9.04 mm)	Yes

Overall Cable Diameter (Nominal):	0.356 in (9.04 mm)
-----------------------------------	--------------------

### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	52 pF/ft (170 pF/m)	94 pF/ft (310 pF/m)	0.18μH/ft. μH/ft

Nom Outer Shield DCR:	244 Ohm/1000ft (801 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.

3.6 in (91 mm)

Max. Pull Tension: 118 lbs (53.5 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 M5397 8C 18 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS

## History

Update and Revision: Revision Number: 0.16 Revision Date: 06-30-2026

## Part Numbers

### Variants

Item #	Color
M5397 SL005	Black
M5397 SL001	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.