



**Product:** [2244C](#) 

Communication and Control, 4PR #18, Str, PVC, 300 V, AWM/STYLE 2464 80C, CM 75C, VW-1, CSA CMG, CSA FT4

## Product Description

Communication and Control, 4 Pair 18 AWG (16/30) TC - Tinned Copper, PVC Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2464 80C, CM 75C, VW-1, CSA CMG, CSA FT4 CMG, FT4 UL FT4, VW-1; CSA FT4

## Technical Specifications

### Product Overview

Suitable Applications:	Industrial control systems, raceways, cable trays, and ducts; instrumentation and control circuits; analog and digital signals (4–20 mA, 0–10 V); PLC and DCS systems; sensors, encoders, solenoids, valves, actuators, and positioners.
------------------------	--

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	18 AWG	16x30	TC - Tinned Copper

#### Insulation

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

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (10x30) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 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 Impedence	Nom. Inductance
Pair(s)	34 pF/ft (110 pF/m)	61 pF/ft (200 pF/m)	62 Ohm	0.18 µH/ft (0.59 µH/m)

Nom Outer Shield DCR:	77 Ohm/1000ft (250 Ohm/km)
-----------------------	----------------------------

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

**Stationary Min.**

4.0 in (100 mm)

Max. Pull Tension: 19.1 lbs (8.66 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 2244C 4PR 18 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 75C TYPE CMG FT4 CE ROHS
--------	---

**History**

Update and Revision:	Revision Number: 0.114 Revision Date: 06-30-2026
----------------------	--

**Part Numbers****Variants**

Item #	Color	Putup Type	Length
2244C SL005	Black and Red	Reel	100 ft
2244C SL002	Black and Red	Reel	500 ft
2244C SL001	Black and Red	Reel	1,000 ft
2244C SL212	Black and Red	Reel	3,000 ft

© 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.