



Product: [3480/18C](#) 

Communication and Control, 18PR #28, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2464 80C, CL2 75C, VW-1, CSA CMG, CSA FT4

Product Description

Communication and Control, 18 Pair 28 AWG (7/36) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2464 80C, CL2 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.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	18	28 AWG	7x36	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.035 in (0.89 mm)	Black-Red, Black-White, Black-Green, Black-Blue, Black-Brown, Black-Yellow, Black-Orange, Red-Green, Red-White, Red-Blue, Red-Yellow, Red-Brown, Red-Orange, Green-Blue, Green-White, Green-Brown, Green-Orange, Green-Yellow

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	28 AWG (7x36) TC
Braid	Tinned Copper (TC)	65%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.389 in (9.88 mm)

Overall Cable Diameter (Nominal):	0.389 in (9.88 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Pair(s)	21 pF/ft (69 pF/m)	380 pF/ft (1200 pF/m)	0.22 μH/ft (0.72 μH/m)

Nom Outer Shield DCR:	33 Ohm/1000ft (110 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CMG, AWM 2464), 150 V (CL2)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

3.9 in (99 mm)

Max. Pull Tension: 55 lbs (25 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), 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 3480/18C 18PR 28 AWG SHIELDED 75C (UL) TYPE CL2 OR AWM 2464 --- LLXXXXXX CSA TYPE CMG FT4 CE ROHS

History

Update and Revision: Revision Number: 0.58 Revision Date: 06-30-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
3480/18C SL005	Black and Red	Reel	100 ft
3480/18C SL001	Black and Red	Reel	1,000 ft

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