



Product: [B961024](#) 

EMEA, 2PR #28, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 10002 105C, AWM/STYLE 2464 80C, CM 105C, VW-1, CSA CMG, CSA FT4

Product Description

EMEA, 2 Pair 28 AWG (7/36) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Grey PVC Outer Jacket, AWM/STYLE 10002 105C, AWM/STYLE 2464 80C, CM 105C, VW-1, CSA CMG, CSA FT4 CMG, FT4 UL FT4, VW-1; CSA FT4; EN 60332-1 Flame Behavior; EN 60332-2 Flame Behavior

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
Pair(s)	2	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)	White-Black, White-Brown

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	28 AWG (7x36) TC
Braid	Tinned Copper (TC)	70%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.210 in (5.33 mm)	Yes

Overall Cable Diameter (Nominal):	0.210 in (5.33 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance
Pair(s)	21.2 pF/ft (69.6 pF/m)	38 pF/ft (120 pF/m)	83 Ohm	0.22 μH/ft (0.72 μH/m)

Nom Outer Shield DCR:	62 Ohm/1000ft (200 Ohm/km)
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Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
1.7 in (43 mm)	1.7 in (43 mm)

Max. Pull Tension: 38 lbs (17 kg)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2, IEC 60332-2-2
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 B961024 2PR 28 AWG 0.09MM2 (28AWG) (UL) TYPE CM 105C OR AWM 2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS (SEQ METERS)
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History

Update and Revision:	Revision Number: 0.12 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
B961024 GE321	White/Black	Reel	164 ft

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