



Product: [78156](#) 

ECOCABLE, 6PR #28, Str, Modified Polyphenylene Ether-PE, 300 V, AWM/STYLE 21460 80C, VW-1, CSA C(RU) AWM I A/B FT1

Product Description

ECOCABLE, 6 Pair 28 AWG (19/40) TC - Tinned Copper, Modified Polyphenylene Ether-PE Insulation, Overall Aluminum/Polyester Shield, Black & Red Modified Polyphenylene Ether-PE Outer Jacket, AWM/STYLE 21460 80C, VW-1, CSA C(RU) AWM I A/B FT1 C(RU) AWM I A/B FT1 UL VW-1

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)	6	28 AWG	19x40	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	mPPE - Modified Polyphenylene Ether	0.007 in (0.18 mm)	0.030 in (0.76 mm)	White-Black, White-Brown, White-Red, White-Orange, White-Yellow, White-Green

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
mPPE - Modified Polyphenylene Ether	0.015 in (0.38 mm)	0.186 in (4.72 mm)	Yes

Overall Cable Diameter (Nominal):	0.186 in (4.72 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance
Pair(s)	17.3 pF/ft (56.8 pF/m)	31 pF/ft (100 pF/m)	95 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	26 Ohm/1000ft (85 Ohm/km)
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Voltage

UL Voltage Rating
300 V (AWM 21460), 300 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-40°C To +80°C

Bend Radius

Stationary Min.

1.9 in (48 mm)

Max. Pull Tension: 45 lbs (20 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL VW-1, FT1
AWM Compliance:	AWM 21460, AWM I A/B
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 78156 6PR 28 AWG ECOCABLE(R) MINI RU AWM 21460 80C 300V VW-1 C(RU) AWM I A/B FT1 80C 300V CE ROHS (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.11 Revision Date: 06-30-2026
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Part Numbers**Variants**

Item #	Color	Putup Type	Length
78156 SL005	White/Black	Reel	100 ft
78156 SL001	White/Black	Reel	1,000 ft

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