



Product: [M1146](#) 

AUDIO, 6C #18, Str, Polyethylene(PE), 300 V, AWM/STYLE 2094 60C, CM 75C, CSA C(UL) TYPE CM C(UL) TYPE CM

Product Description

AUDIO, 6 Conductor 18 AWG (41/34) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Tinned Copper Shield, Slate PVC Outer Jacket, AWM/STYLE 2094 60C, CM 75C, CSA C(UL) TYPE CM C(UL) TYPE CM

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
Conductor(s)	6	18 AWG	41x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.016 in (0.41 mm)	0.079 in (2.0 mm)	Black, White, Red, Green, Yellow, Blue

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	90%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.333 in (8.46 mm)

Overall Cable Diameter (Nominal):	0.333 in (8.46 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	24.2 pF/ft (79.4 pF/m)	44 pF/ft (140 pF/m)	0.18 µH/ft (0.59 µH/m)

Nom Outer Shield DCR:	38 Ohm/1000ft (120 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CM, AWM 2094)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

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Stationary Min.
3.3 in (84 mm)

Max. Pull Tension:	60 lbs (27 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2094
CEC / C(UL) Compliance:	CM
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 M1146 6C 18 AWG EXXXXXX 75C SHIELDED CM (UL) C(UL) AWM STYLE 2094 CE ROHS
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History

Update and Revision:	Revision Number: 0.17 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M1146 SL005	Slate	Reel	100 ft

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