



REPRESENTATIVE IMAGE

## Product: [7500A](#)

MachFlex™, Vision Coax 75Ω, #30 Str Tinned Alloy, FPE Ins, OA TC Brd, PVC Jkt, High Flex, AWM 1354

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### Product Description

30AWG (7x38) Tinned Alloy, Foam PE Insulation, Overall Tinned Copper Braid(95%) Shield, PVC Outer Jacket, High Flex, AWM 1354

### Technical Specifications

#### Product Overview

Suitable Applications:	Automation, Robotics, Vision Control
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#### Construction Details

##### Conductor

AWG	Stranding	Nom. Diameter	Material
30	7x38	0.012 in	TCA - Tinned Copper Alloy

##### Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.056 in

##### Outer Shield Material

Outer Shield Type	Material	Coverage
French Braid	Tinned Copper (TC)	95%
	Tinned Copper (TC)	

##### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.110 in

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
2.2 MHz	0.9 dB/100ft
5 MHz	1.4 dB/100ft
10 MHz	2.0 dB/100ft
30 MHz	3.4 dB/100ft
50 MHz	4.4 dB/100ft
100 MHz	6.4 dB/100ft

##### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance	Nom. Velocity
108 Ohm/1000ft	13.3 Ohm/1000ft	17.3 pF/ft	75 Ohm	78%

##### Voltage

UL Voltage Rating
30 V (UL AWM 1354)

## Mechanical Characteristics

### Temperature

UL Rating	Operating
60°C	-35°C to +80°C

### Bend Radius

Installation Min.	Flexing Min.
1.1 in	2.2 in

Bulk Cable Weight:	8 lbs/1000ft
Max. Pull Tension:	11 lbs

### Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL 1581 Horizontal Wire, FT1
AWM Compliance:	1354, AWM I/II A/B
CEC / C(UL) Compliance:	LL7874
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### History

Update and Revision:	Revision Number: 0.346 Revision Date: 09-30-2020
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