



**Part Number:** 7108W

300V C-TC+ Control Cables for Extreme Flexing

## Product Description

20 AWG stranded (74x38) bare copper conductors, PVC insulation, Unshielded, Oil- and Abrasion-resistant PVC Jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
20	74x38	BC - Bare Copper	24
<b>Total Number of Conductors:</b>			25

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in

#### Color Chart 1:

Number	Color
Individually Numbered	Red

#### Stranding:

Lay Length
Yes mm

## Outershield 1:

Material
Unshielded

## Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
TPE - Thermoplastic Elastomer	0.563 in	0.053 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
8.8 Ohm/1000ft

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Suitability - Oil Resistance:	Yes - Oil Res II
Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Flex Cycle Rating:	10 Million Flexes
Max Recommended Pulling Tension:	370 lbs

## Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
Suitability - Non-Halogenated:	No

## Temperature Range

Operating Temp Range:	-40°C To +90°C
Other Temp Range:	Flexing: -5°C To +90 °C
UL Temp Rating:	90°C (UL AWM Style 2587)

## Mechanical Characteristics

<b>Min Bend Radius (Continuous Flexing):</b>	5.6 in
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## Part Number

<b>Plenum (Y/N):</b>	No
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## Standards

<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)
<b>CSA AWM Specification:</b>	CSA Specification
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>NEC/(UL) Specification:</b>	NEC/(UL) Specification
<b>UL AWM Style:</b>	AWM Specification
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
7108W 0031000	ORANGE	Reel	1000 ft
7108W 003250	ORANGE	Reel	250 ft
7108W 0035000	ORANGE	Reel	5000 ft

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