



**Part Number:** 7126W

600V C-TC+ Extreme Flex, (8) 16 AWG (190x38) BC+Grd,  
PVC-NYL/TPE, TC-ER

## Product Description

Eight 16 AWG stranded (190x38) bare copper conductors plus ground wire, PVC-Nylon insulation, TPE jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| Element                            | AWG | Stranding | Material         | No. of Conductors |
|------------------------------------|-----|-----------|------------------|-------------------|
|                                    | 16  | 190x38    | BC - Bare Copper | 8                 |
| Ground Wire                        | 16  | 190x38    | BC - Bare Copper |                   |
| <b>Total Number of Conductors:</b> |     |           |                  | 9                 |

#### Insulation:

| Material                             | Nominal Wall Thickness |
|--------------------------------------|------------------------|
| PVC/Nylon - Polyvinyl Chloride/Nylon | 0.016 in               |
| PVC - Polyvinyl Chloride             | 0.005 in               |
| Nylon                                |                        |

#### 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 | 0.561 in         | 0.063 in               |

## Electrical Characteristics

#### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 5.7 Ohm/1000ft        |

## 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:   | 342 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: | -50°C To +90°C           |
| Other Temp Range:     | Flexing: -5°C To +90 °C  |
| UL Temp Rating:       | 90°C (UL AWM Style 2587) |

## Mechanical Characteristics

|                                       |        |
|---------------------------------------|--------|
| Min Bend Radius (Continuous Flexing): | 5.6 in |
|---------------------------------------|--------|

## Part Number

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification:          | CEC/C(UL) Specification          |
| CSA AWM Specification:            | CSA Specification                |
| IEEE Specification:               | IEEE Specification               |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| NEC/(UL) Specification:           | NEC/(UL) Specification           |
| UL AWM Style:                     | AWM Specification                |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |

## History

## Product Variants

| Part Number   | Color  | Put-Up Type | Length  |
|---------------|--------|-------------|---------|
| 7126W 0031000 | ORANGE | Reel        | 1000 ft |
| 7126W 003250  | ORANGE | Reel        | 250 ft  |
| 7126W 0035000 | ORANGE | Reel        | 5000 ft |

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