



**Part Number:** 7408W

600V FCC Moderate Flex, (24) 20 AWG (10x30) BC+Grd, PVC/TPE, PLTC

## Product Description

Twenty-four 20 AWG stranded (10x30) bare copper conductors plus ground wire, PVC insulation, TPE jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| Element                            | AWG | Stranding | Material         | No. of Conductors |
|------------------------------------|-----|-----------|------------------|-------------------|
|                                    | 20  | 10x30     | BC - Bare Copper | 24                |
| Ground Wire                        | 20  | 10x30     | BC - Bare Copper |                   |
| <b>Total Number of Conductors:</b> |     |           |                  | 25                |

#### Insulation:

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.015 in               |
| PVC - Polyvinyl Chloride |                        |

#### Color Chart 1:

| Number                | Color |
|-----------------------|-------|
| Individually Numbered | Black |

#### Stranding:

| Lay Length |
|------------|
| Yes mm     |

#### Outershield 1:

| Material   |
|------------|
| Unshielded |

#### Outerjacket 1:

| Material                      | Nominal Diameter | Nominal Wall Thickness |
|-------------------------------|------------------|------------------------|
| TPE - Thermoplastic Elastomer | 0.517 in         | 0.053 in               |

## Electrical Characteristics

#### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 8.8 Ohm/1000ft        |

## Use

|                                    |                  |
|------------------------------------|------------------|
| Suitability - Oil Resistance:      | Yes - Oil Res II |
| Suitability - Burial:              | Yes              |
| Suitability - Sunlight Resistance: | Yes              |
| Flex Cycle Rating:                 | 1 Million Flexes |
| Max Recommended Pulling Tension:   | 325 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

|                                       |        |
|---------------------------------------|--------|
| Min Bend Radius (Continuous Flexing): | 5.2 in |
|---------------------------------------|--------|

## Part Number

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

## Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CSA AWM Specification:            | CSA 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  |
|---------------|--------|-------------|---------|
| 7408W 0601000 | CHROME | Reel        | 1000 ft |
| 7408W 060250  | CHROME | Reel        | 250 ft  |
| 7408W 0605000 | CHROME | Reel        | 5000 ft |

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