



Product: [3039A](#)

300V, (24 triad) 18 AWG (7x26) BC, (1) 22 AWG (7x30) BC, PVC/PVC, IS/OS, PLTC-ER, CMG

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Product Description

Twenty-four 18 AWG triads stranded (7x26) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, Individual and overall Beldfoil® shield (100% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors | No. of Triads |
|-----|-----------|------------------|-------------------|---------------|
| 18 | 7x26 | BC - Bare Copper | | 24 |
| 22 | 7x30 | BC - Bare Copper | 1 | |

Conductor Count: 73

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.014 in |

Color Chart

| Number | Color |
|--------|---|
| 1 | Black and White and Red and Numbered 1 |
| 2 | Black and White and Red and Numbered 2 |
| 3 | Black and White and Red and Numbered 3 |
| 4 | Black and White and Red and Numbered 4 |
| 5 | Black and White and Red and Numbered 5 |
| 6 | Black and White and Red and Numbered 6 |
| 7 | Black and White and Red and Numbered 7 |
| 8 | Black and White and Red and Numbered 8 |
| 9 | Black and White and Red and Numbered 9 |
| 10 | Black and White and Red and Numbered 10 |
| 11 | Black and White and Red and Numbered 11 |
| 12 | Black and White and Red and Numbered 12 |
| 13 | Black and White and Red and Numbered 13 |
| 14 | Black and White and Red and Numbered 14 |
| 15 | Black and White and Red and Numbered 15 |
| 16 | Black and White and Red and Numbered 16 |
| 17 | Black and White and Red and Numbered 17 |
| 18 | Black and White and Red and Numbered 18 |
| 19 | Black and White and Red and Numbered 19 |
| 20 | Black and White and Red and Numbered 20 |
| 21 | Black and White and Red and Numbered 21 |
| 22 | Black and White and Red and Numbered 22 |
| 23 | Black and White and Red and Numbered 23 |
| 24 | Black and White and Red and Numbered 24 |
| 25 | Orange |

Color Chart 2

| Number | Color |
|--------------------|-------------------------------------|
| 1 | Black & White & Red and Numbered 1 |
| 2 | Black & White & Red and Numbered 2 |
| 3 | Black & White & Red and Numbered 3 |
| 4 | Black & White & Red and Numbered 4 |
| 5 | Black & White & Red and Numbered 5 |
| 6 | Black & White & Red and Numbered 6 |
| 7 | Black & White & Red and Numbered 7 |
| 8 | Black & White & Red and Numbered 8 |
| 9 | Black & White & Red and Numbered 9 |
| 10 | Black & White & Red and Numbered 10 |
| 11 | Black & White & Red and Numbered 11 |
| 12 | Black & White & Red and Numbered 12 |
| 13 | Black & White & Red and Numbered 13 |
| 14 | Black & White & Red and Numbered 14 |
| 15 | Black & White & Red and Numbered 15 |
| 16 | Black & White & Red and Numbered 16 |
| 17 | Black & White & Red and Numbered 17 |
| 18 | Black & White & Red and Numbered 18 |
| 19 | Black & White & Red and Numbered 19 |
| 20 | Black & White & Red and Numbered 20 |
| 21 | Black & White & Red and Numbered 21 |
| 22 | Black & White & Red and Numbered 22 |
| 23 | Black & White & Red and Numbered 23 |
| 24 | Black & White & Red and Numbered 24 |
| Communication Wire | Orange |

Inner Shield

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | TC - Tinned Copper | 20 | 7x28 |

Outer Shield

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | TC - Tinned Copper | 18 | 7x26 |

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 1.11 in | 0.073 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Inner Shield DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|--------------------------|
| 5.86 Ohm/1000ft | 10.3 Ohm/1000ft | 6 Ohm/1000ft |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Temperature Range

| | |
|------------------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temperature Range: | -30°C To +105°C |

Mechanical Characteristics

| | |
|------------------------------|----------------|
| Bulk Cable Weight: | 845 lbs/1000ft |
| Max. Pull Tension: | 1620 lbs |
| Min. Bend Radius/Minor Axis: | 12 in |

Standards

| | |
|--------------------------|----------------|
| NEC Articles: | Article 800 |
| NEC/(UL) Compliance: | CMG, ITC, PLTC |
| CEC/C(UL) Compliance: | CMG |
| UL AWM Style Compliance: | AWM 2464 |

Applicable Environmental and Other Programs

| | |
|--|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------------------|-----|
| Suitability - Burial: | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| CSA Flammability: | FT4 |
| ICEA Flammability: | T-29-520 |
| IEEE Flammability: | 1202 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.185 Revision Date: 04-08-2022 |
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