



Product: [8622](#)

Electronic, 12 C #16 Str TC, PVC Ins, PVC Jkt

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Product Description

Electronic, 12 Conductor 16AWG (19x29) Tinned Copper, PVC Insulation, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:

up to 600V analog signals ; up to 600V control ; line level audio; voice communications; panel wiring

Physical Characteristics (Overall)

Conductor

| Element      | AWG | Stranding | Material           | No. of Conductors |
|--------------|-----|-----------|--------------------|-------------------|
| Conductor(s) | 16  | 19x29     | TC - Tinned Copper | 12                |

Conductor Count:

12

Insulation

| Element      | Material                 | Nominal Wall Thickness |
|--------------|--------------------------|------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.031 in               |

Color Chart

| Number | Color        |
|--------|--------------|
| 1      | Black        |
| 2      | White        |
| 3      | Red          |
| 4      | Green        |
| 5      | Orange       |
| 6      | Blue         |
| 7      | White/Black  |
| 8      | Red/Black    |
| 9      | Green/Black  |
| 10     | Orange/Black |
| 11     | Blue/Black   |
| 12     | Black/White  |

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.627 in         | 0.06 in                |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 4.4 Ohm/1000ft        |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
|-----------------------------------------|

|            |
|------------|
| 19.5 pF/ft |
|------------|

Current

|                              |
|------------------------------|
| Max. Recommended Current [A] |
| 5 Amps per conductor @ 25°C  |

Voltage

|                       |
|-----------------------|
| Non-UL Voltage Rating |
| 600 V RMS             |

Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 80°C           |
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

|                                  |                |
|----------------------------------|----------------|
| Bulk Cable Weight:               | 235 lbs/1000ft |
| Max Recommended Pulling Tension: | 364 lbs        |
| Min Bend Radius/Minor Axis:      | 6.5 in         |

Standards

|                |     |
|----------------|-----|
| CPR Euroclass: | Eca |
|----------------|-----|

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, Toxicity Testing

|                       |                |
|-----------------------|----------------|
| UL Flammability:      | UL 1581 (VW-1) |
| CSA Flammability:     | FT1            |
| ISO/IEC Flammability: | IEC 60332-1-2  |

Part Number

Variants

| Item #       | Color  | Putup Type | Length   | UPC          |
|--------------|--------|------------|----------|--------------|
| 8622 060100  | Chrome | Reel       | 100 ft   | 612825213550 |
| 8622 060500  | Chrome | Reel       | 500 ft   | 612825213581 |
| 8622 0601000 | Chrome | Reel       | 1,000 ft | 612825213567 |
| 8622 0602000 | Chrome | Reel       | 2,000 ft | 612825213574 |

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| Footnote: | C - CRATE REEL PUT-UP.                                                                                           |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.288 Revision Date: 04-30-2020 |
|----------------------|--------------------------------------------------|

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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#### Как с нами связаться

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