



Product: [9565](#)

High Perform Instr, 15 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

[Request Sample](#)

Product Description

High Performance Instrumentation, 15 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18 | 19x30 | TC - Tinned Copper | 15 |

| | |
|------------------------|----|
| Conductor Count: | 30 |
| Total Number of Pairs: | 15 |

Insulation

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.078 in |

Color Chart

| Number | Color |
|--------|-----------------------------|
| 1 | Black & Red and Numbered 1 |
| 2 | Black & Red and Numbered 2 |
| 3 | Black & Red and Numbered 3 |
| 4 | Black & Red and Numbered 4 |
| 5 | Black & Red and Numbered 5 |
| 6 | Black & Red and Numbered 6 |
| 7 | Black & Red and Numbered 7 |
| 8 | Black & Red and Numbered 8 |
| 9 | Black & Red and Numbered 9 |
| 10 | Black & Red and Numbered 10 |
| 11 | Black & Red and Numbered 11 |
| 12 | Black & Red and Numbered 12 |
| 13 | Black & Red and Numbered 13 |
| 14 | Black & Red and Numbered 14 |
| 15 | Black & Red and Numbered 15 |

Outer Shield Material

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

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.739 in | 0.063 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 5.96 Ohm/1000ft | 9 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 35 pF/ft | 54 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.17 μ H/ft |

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 4.5 Amps per conductor @ 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |
| 150 V RMS (ITC) |

Temperature Range

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

Mechanical Characteristics

| | |
|----------------------------------|----------------|
| Bulk Cable Weight: | 297 lbs/1000ft |
| Max Recommended Pulling Tension: | 640 lbs |
| Min Bend Radius/Minor Axis: | 7.5 in |

Standards

| | |
|--------------------------|----------------------|
| NEC/(UL) Specification: | CMG, ITC-ER, PLTC-ER |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | 2464 |

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): | 2005-04-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

| Item # | Color | UPC |
|--------------|--------|--------------|
| 9565 0601000 | Chrome | 612825256007 |
| 9565 060500 | Chrome | 612825256014 |

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.320 Revision Date: 04-28-2020

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