



Part Number: 1349A

CC Link, 5 C #18+20 Str BC, PVC+PO Ins, OS+TC Brd, PVC Jkt, PVC Jkt, CM

[Request Sample](#)

Product Description

CC Link, 5 Conductor 18+20AWG (7x26+7x28) Bare Copper, PVC+PO Insulation, Overall Beldfoil®+Tinned Copper Braid(78%) Shield, PVC Inner Jacket, PVC Outer Jacket, CM

Technical Specifications

Product Overview

| | |
|------------------------|---------|
| Suitable Applications: | CC Link |
|------------------------|---------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18 | 7x26 | BC - Bare Copper | 2 |
| 20 | 7x28 | BC - Bare Copper | 3 |

| | |
|------------------|---|
| Conductor Count: | 5 |
|------------------|---|

Insulation

| Element | Material | Nominal Wall Thickness |
|---------|--|------------------------|
| 20 | PVC - Polyvinyl Chloride | 0.022 in |
| 18 | FHDPE - Foamed High Density Polyethylene | 0.03 in |

Color Chart

| Number | Color |
|------------|-------------------------|
| 1 (18 AWG) | Black and White |
| 2 (20 AWG) | Blue, Yellow, and White |

Inner Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|-------|-------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | 1 | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC - Tinned Copper | 22 | 19x34 |
| Braid | 2 | TC - Tinned Copper | | 78 % | | | |
| | | TC - Tinned Copper | | | | | |

Inner Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.309 in | 0.035 in |

Outer Shield Material

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

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Separator Material |
|--------------------------|------------------|------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.512 in | 0.053 in | Polyester |

Construction and Dimensions

Cabling

Lay Direction

Right Hand

Electrical Characteristics

Conductor DCR

| Element | Nominal Conductor DCR | Nominal Outer Shield DCR |
|---------|-----------------------|--------------------------|
| 18 AWG | 5.8 Ohm/1000ft | 8 Ohm/1000ft |
| 20 AWG | 9.5 Ohm/1000ft | |

Capacitance

| Element | Nom. Capacitance Conductor to Conductor |
|---------|---|
| 20 AWG | |
| | 18.3 pF/ft |

Impedance

| Nominal Characteristic Impedance | Nominal Characteristic Impedance Description |
|----------------------------------|--|
| 120 Ohm | 20 AWG |
| 110 Ohm | |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| PLTC | 300 V RMS |
| CM | |

Temperature Range

| | |
|-----------------------|----------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -30°C To +60°C |

Mechanical Characteristics

| | |
|----------------------------------|----------------|
| Bulk Cable Weight: | 103 lbs/1000ft |
| Max Recommended Pulling Tension: | 90 lbs |
| Min Bend Radius/Minor Axis: | 5.1 in |

Standards

| | |
|--------------------------|---|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CM, PLTC |
| CEC/C(UL) Specification: | CM |
| Other Specification: | Mitsubishi CC Link Signal + Power Cable |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | 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): | 2006-08-10 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|---------------|-------|--------------|----------|----------|
| 1349A 0021000 | Red | 612825112389 | 1,000 ft | C |

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.312 Revision Date: 08-22-2019

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