

Shanghai Jiucheng Industry Technology Co., Ltd.

Cables and Accessories



Shanghai Jiucheng Industry Technology Co., Ltd was founded in 2006, includes a branch office in Hong Kong.

Our company specialize in cable solutions for networks and buildings. The product includes PVC cable, FG bus cable and PVC cable. We also provide solutions for MC4 connectors, PV assembly and PV harness.

Since 2010, our company continuous hammer at the cable solutions for buildings, farms, industries, tele-communication and hoist etc. The product including electrical wire cables, medium and low voltage cables, flexible cables, electronic cables, feeder cables, rubber cables, flat cables, elevator cables, aluminum cables, transmission data cables, cold and oil resistant cables, high temperature cables, robotic cables, special cables etc.

Our vision is never give up the quality at low price and build the world by clean energy.

Manufacturer Presentation





Product name: [↗](#)

RS485, 2 Pr #18 Str TC, HDPE Ins, OS+TC Brd, Jelly fill with oil coated, PVC Jkt, CM, PLTC, Oil Resistant

Product Description

RS-485, 2 Pair 18AWG (1x1.02) Tinned Copper, Earth Wire (1/0.5) Tinned Copper, HDPE Insulation, Tinned Copper Braid Shield, PVC Outer Jacket, CM, PLTC, and oil-resistant

Technical Specifications

| | |
|------------------------|--|
| Suitable Applications: | harsh environment, IIoT, factory or process automation, video, audio, data communication, etc. |
|------------------------|--|

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 2 | 18 | 1x1.02 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code | Notes |
|---------|---------------------|-----------|------------------------------|-------|
| Pair(s) | HDPE - Polyethylene | 0.635mm | Red + Black & White + Yellow | HDPE |

Outer Shield Material

| Shield Type | Material | Coverage | Drainwire Type |
|--------------|--|-----------|----------------|
| Tape + Braid | Bi-Laminate (Alum+Poly) + Tinned Copper (TC) | 65% + 65% | TC 128/0.1 |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.90mm | 8.60mm |

| | |
|---------------------------|--------|
| Cable Diameter (Nominal): | 8.60mm |
|---------------------------|--------|

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Max. Current |
|---------|----------------------|-------------------------------|---|--------------------------|--------------------------------|
| Pair(s) | 5.9Ω/1000ft=23.9Ω/KM | 11 pF/ft | 20.9 pF/ft | 120 Ohm | 2.7 Amps per Conductor at 25°C |

| | |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 2.95 Ohm/1000ft |
|-----------------------|-----------------|

High Frequency (Nominal/Typical)

| Element | Frequency [MHz] | Nom. Insertion Loss |
|---------|-----------------|---------------------|
| Pair(s) | 1 MHz | 0.5 dB/100ft |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V (CM, PLTC) |

Temperature

| UL Rating | Operating |
|-----------|----------------|
| 60°C | -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.5 in | 3.5 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 80 lbs |
| Bulk Cable Weight: | 58 lbs/1000ft |

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor, Sunlight Resistance, Oil Resistance |
| Flammability / Fire Resistance: | UL1685 UL Loading, FT1, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 725, Article 800, CM, PLTC |
| CEC / C(UL) Compliance: | CM |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Notes: | Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17. For CPE jacketed version order YR46792. |
| Update and Revision: | Revision Number: 0.364 Revision Date: 08-25-2020 |



Product name: [↗](#)

RS485, 2 Pr #22 Str TC, HDPE Ins, OS+TC Brd, Jelly fill with oil coated, PVC Jkt, CM, PLTC, Oil Resistant

Product Description

RS-485, 2 Pair 22AWG (7x0.254) Tinned Copper, Earth Wire (21/0.18) Tinned Copper, HDPE Insulation, Tinned Copper Braid Shield, PVC Outer Jacket, CM, PLTC, and oil-resistant

Technical Specifications

| | |
|------------------------|--|
| Suitable Applications: | harsh environment, IIoT, factory or process automation, video, audio, data communication, etc. |
|------------------------|--|

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 2 | 22 | 7x0.254 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code | Notes |
|---------|---------------------|-----------|-----------------------------|-------|
| Pair(s) | HDPE - Polyethylene | 0.635mm | Red + Black & White + Green | HDPE |

Outer Shield Material

| Shield Type | Material | Coverage | Drainwire Type |
|--------------|--|-----------|----------------|
| Tape + Braid | Bi-Laminate (Alum+Poly) + Tinned Copper (TC) | 65% + 65% | TC 144/0.1 |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 1.0mm | 10.32mm |

| | |
|---------------------------|---------|
| Cable Diameter (Nominal): | 10.32mm |
|---------------------------|---------|

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Max. Current |
|---------|-----------------------|-------------------------------|---|--------------------------|--------------------------------|
| Pair(s) | 14.7Ω/1000ft=60.7Ω/KM | 11 pF/ft | 20.9 pF/ft | 120 Ohm | 2.7 Amps per Conductor at 25°C |

| | |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 2.95 Ohm/1000ft |
|-----------------------|-----------------|

High Frequency (Nominal/Typical)

| Element | Frequency [MHz] | Nom. Insertion Loss |
|---------|-----------------|---------------------|
| Pair(s) | 1 MHz | 0.5 dB/100ft |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V (CM, PLTC) |

Temperature

| UL Rating | Operating |
|-----------|----------------|
| 60°C | -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.5 in | 3.5 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 80 lbs |
| Bulk Cable Weight: | 58 lbs/1000ft |

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor, Sunlight Resistance, Oil Resistance |
| Flammability / Fire Resistance: | UL1685 UL Loading, FT1, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 725, Article 800, CM, PLTC |
| CEC / C(UL) Compliance: | CM |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Notes: | Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17. For CPE jacketed version order YR46792. |
| Update and Revision: | Revision Number: 0.364 Revision Date: 08-25-2020 |