

Product: [RSRK 120M-S4678](#) 

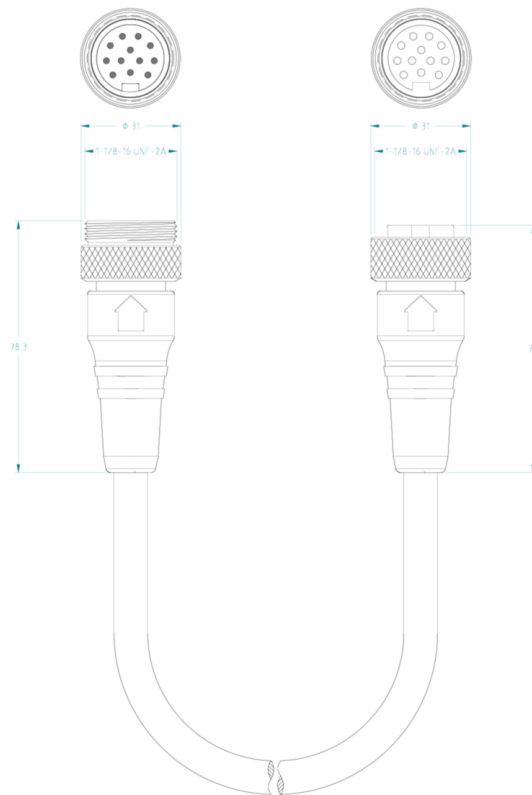
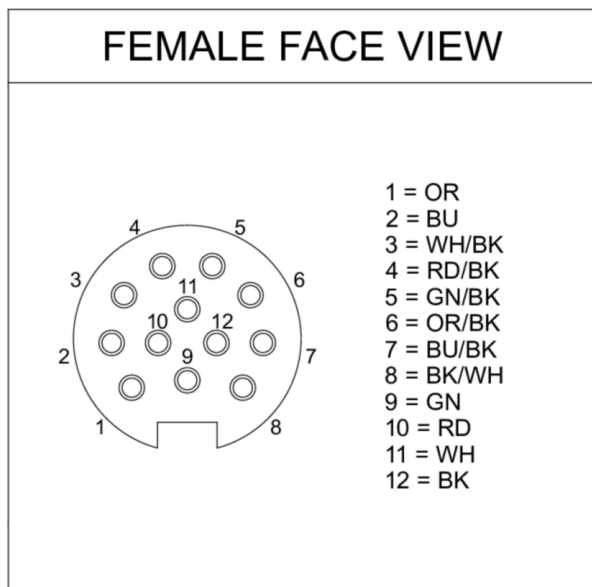


1" - Male 0° to Female 0° | #Contacts: 12 | 600 V | Cable TPE YE, 16 AWG, US | cURus

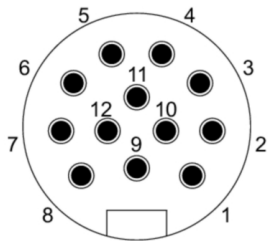
Product Description

1" - Molded Cordset Male Straight to Female Straight | #Contacts: 12 | 600 V / 5 A | Cable TPE Yellow, 12x16 AWG, US | cURus 2238

Technical Drawing



MALE FACE VIEW



1 = OR
 2 = BU
 3 = WH/BK
 4 = RD/BK
 5 = GN/BK
 6 = OR/BK
 7 = BU/BK
 8 = BK/WH
 9 = GN
 10 = RD
 11 = WH
 12 = BK

Technical Specifications

Product Description

| | |
|-----------------|-----------------------|
| Product Family: | Power Connector |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Unshielded |
| Rated Voltage: | 600 V |
| Rated Current*: | 5 A |

Technical Data Side 1

| | |
|-----------------------------------|--|
| Product Sub Family: | 1-1/8" (9, 10, 12, 19 contacts) |
| Type of Contact / Gender: | Pin Contact / Male |
| Connector Design: | Straight (0°) Body w/ External Thread Coupling Screw |
| Attachment Type: | Round Coupling Nut |
| Number of Pins: | 12 |
| Mating Cycles: | max. 50 |
| Ambient Temperature (Operation)*: | - 40 °C to + 90 °C |
| Protection Degree / IP Rating**: | IP 67 / NEMA 6P |
| Contact Base Material: | Brass (CuZn) |
| Contact Plating: | Gold over Silver (Au / Ag) |
| Contact Bearer Color: | Yellow |
| Molded Body Material: | Thermoplastic polyurethane (TPU) |
| Molded Body Color: | Yellow |
| Attachment Material: | Aluminum (Al), Anodized Black |
| Fastening Torque (Attachment): | Hand-tight |

Cable Data

| | |
|--------------------------------------|---------|
| Cable Number: | S4678 |
| Number of Wires: | 12 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |

| | |
|---|--|
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 5 Mio. |
| Conductor material: | Cu |
| Cable Jacket Material: | Thermoplastic Elastomer (TPE) |
| Cable Jacket Color: | Yellow |
| Cable Diameter D: | Ø 13.14 mm [0.517"] |
| Wire Insulation Material: | Polyvinyl Chloride (PVC) - Nylon |
| Insulated Wire Diameter: | Ø 1.73 mm [0.068"] |
| Ambient Temperature (Fixed Installation): | - 40 °C to + 90 °C |
| Ambient Temperature (Flex Installation): | + 5 °C to + 90 °C |
| UL Cable Type: | UL: NEC TYPE TC-ER (UL1277) |
| Flammability Class (Cable Jacket): | UL 1685, CSA FT4, IEEE 1202 |
| Cable Characteristics: | Flexibility: Good Temperature Resistance: Fair Abrasion Resistance: Good Chemical Resistance: Good Weather Resistance: Good UV and ozone |

Technical Data Side 2

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|---|--|
| Product Sub Family, Side 2: | 1-1/8" (9, 10, 12, 19 contacts) |
| Type of Contact / Gender, Side 2: | Socket Contact / Female |
| Connector Design, Side 2: | Straight (0°) Body w/ Internal Thread Coupling Nut |
| Attachment Type, Side 2: | Round Coupling Screw |
| Number of Pins, Side 2: | 12 |
| Mating Cycles, Side 2: | max. 50 |
| Ambient Temperature (Operation), Side 2*: | - 40 °C to + 90 °C |
| Protection Degree / IP Rating, Side 2**: | IP 67 / NEMA 6P |
| Contact Base Material, Side 2: | Brass (CuZn) |
| Contact Plating, Side 2: | Gold over Silver (Au / Ag) |
| Contact Bearer Material, Side 2: | Thermoplastic polyurethane (TPU) |
| Contact Bearer Color, Side 2: | Yellow |
| Molded Body Material, Side 2: | Thermoplastic polyurethane (TPU) |
| Molded Body Color, Side 2: | Yellow |
| Attachment Material, Side 2: | Aluminum (Al), Anodized Black |
| Fastening Torque (Attachment), Side 2: | Hand-tight |
| Note, Side 2: | Do not connect or disconnect under load. |

Approvals

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|----------|----------------|
| UL-File: | E315587 |
| UL: | UL 2238; cURus |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Resistances

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|-----------------|----------------------------------|
| Oil Resistance: | Good chemical and oil resistance |
|-----------------|----------------------------------|

Notes

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|----------------|-----------------|
| Note Derating: | Notice derating |
|----------------|-----------------|

Variants

| Item # | Item Description | Cable Length |
|-----------|----------------------|--------------|
| 500003421 | RSRK 120M-S4678/0.5M | 0.5 m |
| 500003422 | RSRK 120M-S4678/1M | 1 m |
| 500003423 | RSRK 120M-S4678/2M | 2 m |
| 500003424 | RSRK 120M-S4678/3M | 3 m |
| 500003425 | RSRK 120M-S4678/4M | 4 m |
| 500003419 | RSRK 120M-S4678/5M | 5 m |
| 500003426 | RSRK 120M-S4678/6M | 6 m |
| 500003420 | RSRK 120M-S4678/7M | 7 m |
| 500004757 | RSRK 120M-S4678/8M | 8 m |
| 500004752 | RSRK 120M-S4678/9M | 9 m |
| 500003412 | RSRK 120M-S4678/10M | 10 m |

| | | |
|-----------|---------------------|------|
| 500003413 | RSRK 120M-S4678/12M | 12 m |
| 500003414 | RSRK 120M-S4678/15M | 15 m |
| 500004719 | RSRK 120M-S4678/16M | 16 m |
| 500004751 | RSRK 120M-S4678/18M | 18 m |
| 500003415 | RSRK 120M-S4678/20M | 20 m |
| 500004720 | RSRK 120M-S4678/22M | 22 m |
| 500004755 | RSRK 120M-S4678/23M | 23 m |
| 500004628 | RSRK 120M-S4678/24M | 24 m |
| 500003427 | RSRK 120M-S4678/25M | 25 m |
| 500004759 | RSRK 120M-S4678/26M | 26 m |
| 500004760 | RSRK 120M-S4678/28M | 28 m |
| 500003416 | RSRK 120M-S4678/30M | 30 m |
| 500004627 | RSRK 120M-S4678/32M | 32 m |
| 500003417 | RSRK 120M-S4678/35M | 35 m |
| 500004629 | RSRK 120M-S4678/38M | 38 m |
| 500003418 | RSRK 120M-S4678/40M | 40 m |
| 500004630 | RSRK 120M-S4678/45M | 45 m |
| 500003428 | RSRK 120M-S4678/50M | 50 m |
| 500003429 | RSRK 120M-S4678/60M | 60 m |
| 500003430 | RSRK 120M-S4678/70M | 70 m |
| 500003431 | RSRK 120M-S4678/80M | 80 m |

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