



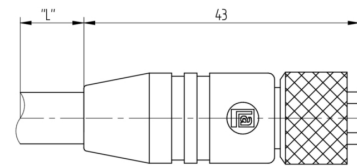
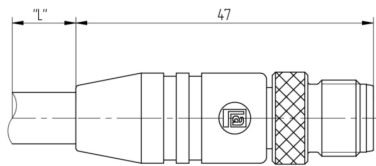
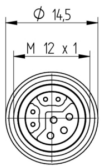
**Product:** [RSTS 8Y-RKTS 8Y-922](#)

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight Y-coded black M12 Hybrid to female straight Y-coded black M12 Hybrid, shielded, 50 V AC/DC, Power: 6 A; Data: 0.5 A; PUR black cable, 8-wires, Data: 4x0.15 mm<sup>2</sup> + Power: 4x0.75 mm<sup>2</sup>

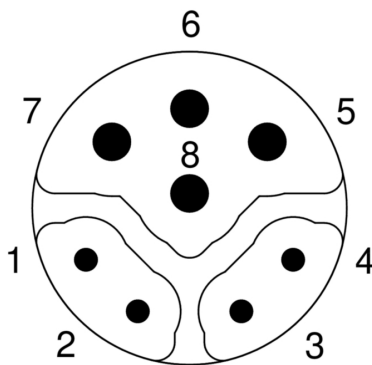
**Product Description**

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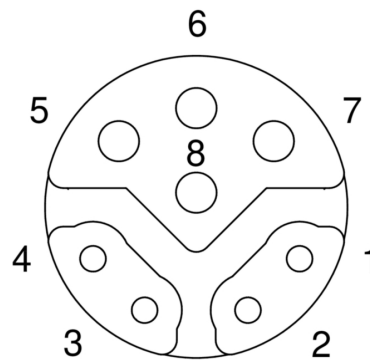
**Technical Drawing**



**Male**



**Female**



**Technical Specifications**

**Face View Side 1**

| Pin 1        | Pin 2  | Pin 3       | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 |
|--------------|--------|-------------|-------|-------|-------|-------|-------|
| white-orange | orange | white-green | green | blue  | white | brown | black |

**Face View Side 2**

| Pin 1        | Pin 2  | Pin 3       | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 |
|--------------|--------|-------------|-------|-------|-------|-------|-------|
| white-orange | orange | white-green | green | blue  | white | brown | black |

Product Description

|                         |                         |
|-------------------------|-------------------------|
| Product Family:         | Data Connectors         |
| Brand:                  | Lumberg Automation      |
| Connector Type:         | Cordset, double ended   |
| Shielding:              | Shielded                |
| Rated Voltage:          | 50 V                    |
| Rated Voltage (UL):     | 50 V AC/DC              |
| Rated Impulse Voltage:  | 0.8 kV                  |
| Operating Voltage:      | 50 V AC/ DC             |
| Rated Current*:         | Power: 6 A; Data: 0.5 A |
| Rated Current (UL)*:    | Power: 6 A; Data: 0.5 A |
| Data Transmission:      | Fast Ethernet Cat5e     |
| Data Transmission Rate: | 100 Mbit/s              |

Technical Data Side 1

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Product Sub Family:                  | M12 Hybrid                               |
| Type of Contact / Gender:            | Male                                     |
| Connector Design:                    | Straight                                 |
| Attachment Type:                     | Coupling Screw                           |
| Number of Pins:                      | 8                                        |
| Coding:                              | Y                                        |
| Contact Resistance:                  | ≤ 10 mOhm                                |
| Insulation Resistance:               | > 10^9 Ohm                               |
| Mating Cycles:                       | ≤ 100                                    |
| Ambient Temperature (Operation)*:    | - 40 °C - + 90 °C                        |
| Operating Temperature (UL):          | max. + 80 °C                             |
| Protection Degree / IP Rating**:     | IP65, IP67, IP69K                        |
| Design Standard:                     | IEC 61076-2-113                          |
| Pollution Degree:                    | 3 acc. to DIN EN 60664-1 (VDE 0110-1)    |
| Overvoltage Category:                | III acc. to DIN EN 60664-1 (VDE 0110-1)  |
| Contact Base Material:               | CuZn                                     |
| Contact Plating:                     | Cu/Au                                    |
| Contact Bearer Material:             | PBT-GF                                   |
| Contact Bearer Color:                | Black                                    |
| Flammability Class (Contact Bearer): | Data: UL 94 V-2 + Power: UL 94 V-0       |
| Molded Body Material:                | TPU                                      |
| Molded Body Color:                   | Black                                    |
| Flammability Class (Molded Body):    | UL 94 HB                                 |
| Attachment Material:                 | CuZn                                     |
| Attachment Plating:                  | Nickel-plated                            |
| Shielding Material:                  | GD-Zn, nickel-plated                     |
| Fastening Torque (Attachment):       | M 12x1: (50-60) Ncm, hand-tight          |
| Note:                                | Do not connect or disconnect under load. |

Cable Data

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| Cable Number:                           | 922                                  |
| Conductor Size:                         | Data: 4x0.15 mm² + Power: 4x0.75 mm² |
| Number of Wires:                        | 8                                    |
| Minimal Bending Radius (Fixed Inst):    | > 6 x D                              |
| Minimal Bending Radius (Flexible Inst): | > 10 x D                             |
| Cycles (Bending):                       | > 1-2 M                              |
| Conductor material:                     | Cu                                   |
| Cable Jacket Material:                  | PUR                                  |
| Cable Jacket Color:                     | black matt similarly RAL 9005        |
| Cable Diameter D:                       | ø 8.00 ± 0.3 mm                      |
| Wire Insulation Material:               | PP                                   |

|                                           |                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------|
| Insulated Wire Diameter:                  | Data: ø 1.15 ± 0.03 mm + Power: ø 1.70 ± 0.05 mm                                  |
| Overall Shield (Cable):                   | Cu-ETP1 tinned                                                                    |
| Element Shield:                           | Shielding Foil                                                                    |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C (UL: + 80 °C)                                                   |
| Ambient Temperature (Flex Installation):  | - 30 °C - + 70 °C                                                                 |
| UL Cable Type:                            | AWM: 20233                                                                        |
| Cable Characteristics:                    | Exclusion of dangerous materials; Exclusion of PVC and Silicone                   |
| Core Colors:                              | Data: green, orange, white-green, white-orange + Power: brown, black, white, blue |

Technical Data Side 2

|                                              |                                         |
|----------------------------------------------|-----------------------------------------|
| Product Sub Family, Side 2:                  | M12 Hybrid                              |
| Type of Contact / Gender, Side 2:            | Female                                  |
| Connector Design, Side 2:                    | Straight                                |
| Attachment Type, Side 2:                     | Coupling Nut                            |
| Number of Pins, Side 2:                      | 8                                       |
| Coding, Side 2:                              | Y                                       |
| Contact Resistance, Side 2:                  | ≤ 10 mOhm                               |
| Insulation Resistance, Side 2:               | > 10^9 Ohm                              |
| Mating Cycles, Side 2:                       | ≤ 100                                   |
| Ambient Temperature (Operation), Side 2*:    | - 40 °C - + 90 °C                       |
| Operating Temperature (UL), Side 2:          | max. + 80 °C                            |
| Protection Degree / IP Rating, Side 2**:     | IP65, IP67, IP69K                       |
| Design Standard, Side 2:                     | IEC 61076-2-113                         |
| Pollution Degree, Side 2:                    | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Overvoltage Category, Side 2:                | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2:               | CuZn                                    |
| Contact Plating, Side 2:                     | Cu/Au                                   |
| Contact Bearer Material, Side 2:             | PBT-GF                                  |
| Contact Bearer Color, Side 2:                | Black                                   |
| Flammability Class (Contact Bearer), Side 2: | Data: UL 94 V-2 + Power: UL 94 V-0      |
| Molded Body Material, Side 2:                | TPU                                     |
| Molded Body Color, Side 2:                   | Black                                   |
| Flammability Class (Molded Body), Side 2:    | UL 94 HB                                |
| Attachment Material, Side 2:                 | CuZn                                    |
| Attachment Plating, Side 2:                  | Nickel-plated                           |
| Shielding Material, Side 2:                  | GD-Zn, nickel-plated                    |
| Fastening Torque (Attachment), Side 2:       | M 12x1: (50-60) Ncm, hand-tight         |

Approvals

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

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Resistances

|                 |                                                |
|-----------------|------------------------------------------------|
| Halogenfree:    | EN 50267-2-1, IEC 60754-1 max. 0,5% HCl        |
| Oil Resistance: | IEC 60811-2-1, ASTM 1 standard oil requirement |

Notes

|                                     |                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------|
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note Derating:                      | Notice derating                                                                              |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.44 Revision Date: 01-19-2023 |
|----------------------|-------------------------------------------------|

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
|--------|------------------|--------------|

|           |                           |       |
|-----------|---------------------------|-------|
| 934966001 | RSTS 8Y-RKTS 8Y-922/0,3 M | 0.3 m |
| 934966002 | RSTS 8Y-RKTS 8Y-922/0,6 M | 0.6 m |
| 934966003 | RSTS 8Y-RKTS 8Y-922/1 M   | 1 m   |
| 934966004 | RSTS 8Y-RKTS 8Y-922/2 M   | 2 m   |
| 934966005 | RSTS 8Y-RKTS 8Y-922/3 M   | 3 m   |
| 934966006 | RSTS 8Y-RKTS 8Y-922/5 M   | 5 m   |
| 20972     | RSTS 8Y-RKTS 8Y-922/7,5 M | 7.5 m |
| 934966007 | RSTS 8Y-RKTS 8Y-922/10 M  | 10 m  |
| 934966008 | RSTS 8Y-RKTS 8Y-922/15 M  | 15 m  |

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