



Product: [RSTS 8X-RSTS 4D-S4742](#)

Data double-ended cordset X code to D code, M12 male, straight to M12 male, straight, green TPE jacket, 4-pin, 0.38 mm²

Product Description

Data double-ended cordset X code to D code, M12 male, straight to M12 male, straight, green TPE jacket, 4-pin, 0.38 mm²

Technical Specifications

Product Description

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|------------------------|-----------------------|
| Product Family: | Data Connectors |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Voltage Rating: | 60 V |
| Rated Impulse Voltage: | 0.8 kV |
| Operating Voltage: | 50 V AC / 60 V DC |

Technical Data Side 1

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| Side 1 Product Sub Family: | M12 Standard |
| Side 1 Type of Contact/Gender: | Male |
| Connector Design: | Straight |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 8 |
| Coding, Side 1: | X |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 80 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Design Standard: | IEC 61076-2-109 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | II acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material: | Brass (Cu/Zn) |
| Side 1 Contact Plating: | Copper over Gold (Cu/Au) |
| Contact Bearer Material: | PA |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Molded Body Material: | PA |
| Molded Body Color: | Black |
| Flammability Class (Molded Body): | UL 94 V-0 |
| Attachment Material: | Brass (Cu/Zn) |
| Attachment Plating: | Nickel (Ni) |
| Shielding Material: | GD-Zn, nickel-plated |
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |

Cable Data

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| Cable Number: | 542 |
| Conductor Size: | 0.38 mm² |
| Number of Wires: | 4 |
| Minimal Bending Radius (Fixed Inst): | > 30 mm |
| Minimal Bending Radius (Flexible Inst): | > 60 mm |
| Cycles (Bending): | > 5 M |
| Conductor Material: | Cu |
| Cable Jacket Material: | TPE |
| Cable Jacket Color: | green matt similarly RAL 6018 |
| Cable Diameter D: | ø 6.50 ± 0.20 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 1.50 mm |
| Overall Shield (Cable): | Cu-ETP1 tinned |
| Foil shield: | Al-PT Foil |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation): | - 40 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C |
| Flammability Class (Cable Jacket): | CM (UL 1685) |
| Cable Characteristics: | Exclusion of dangerous materials; Sunlight resistance: UL 1581 sec. 1200 |
| Core Colors: | white, blue, yellow, orange |

Technical Data Side 2

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| Side 2 Product Sub Family: | M12 Standard |
| Side 2 Type of Contact/Gender: | Male |
| Connector Design, Side 2: | Straight |
| Attachment Type, Side 2: | Coupling Screw |
| Number of Pins, Side 2: | 4 |
| Coding, Side 2: | D |
| 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 - + 80 °C |
| Protection Degree / IP Rating, Side 2**: | IP65, IP67 |
| Design Standard, Side 2: | IEC 61076-2-109 |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category, Side 2: | II acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2: | Brass (Cu/Zn) |
| Contact Plating, Side 2: | Copper over Gold (Cu/Au) |
| Contact Bearer Material, Side 2: | PA |
| Contact Bearer Color, Side 2: | Black |
| Flammability Class (Contact Bearer), Side 2: | UL 94 V-0 |
| Molded Body Material, Side 2: | PA |
| Molded Body Color, Side 2: | Black |
| Flammability Class (Molded Body), Side 2: | UL 94 V-0 |
| Attachment Material, Side 2: | Brass (Cu/Zn) |
| Attachment Plating, Side 2: | Nickel (Ni) |
| Shielding Material, Side 2: | GD-Zn, nickel-plated |
| Fastening Torque (Attachment), Side 2: | M 12x1: (50-60) Ncm, hand-tight |

Safety & Environmental Compliance

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| RoHS Compliant: | yes |
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Resistances

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| Oil Resistance: | IEC 60811-2-1 |
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Notes

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| Protection Degree / IP Rating Note: | IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked |
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| Note Derating: | Notice derating |
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History

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| Update and Revision: | Revision Number: 0.6 Revision Date: 09-17-2025 |
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Variants

| Item # | Item Description | Cable Length |
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| 934639366 | RSTS 8X-RSTS 4D-S4742/0,3 M | |
| 934639433 | RSTS 8X-RSTS 4D-S4742/54 M | |
| 934639420 | RSTS 8X-RSTS 4D-S4742/1 M | 1 m |
| 934639421 | RSTS 8X-RSTS 4D-S4742/2 M | 2 m |
| 934639422 | RSTS 8X-RSTS 4D-S4742/3 M | 3 m |
| 934639423 | RSTS 8X-RSTS 4D-S4742/5 M | 5 m |
| 934639424 | RSTS 8X-RSTS 4D-S4742/7 M | 7 m |
| 934639425 | RSTS 8X-RSTS 4D-S4742/8 M | 8 m |
| 934639426 | RSTS 8X-RSTS 4D-S4742/10 M | 10 m |
| 934639427 | RSTS 8X-RSTS 4D-S4742/12 M | 12 m |
| 934639428 | RSTS 8X-RSTS 4D-S4742/15 M | 15 m |
| 934639429 | RSTS 8X-RSTS 4D-S4742/23 M | 23 m |
| 934639429 | RSTS 8X-RSTS 4D-S4742/23 M | 23 m |
| 934639430 | RSTS 8X-RSTS 4D-S4742/30 M | 30 m |
| 934639430 | RSTS 8X-RSTS 4D-S4742/30 M | 30 m |
| 934639431 | RSTS 8X-RSTS 4D-S4742/38 M | 38 m |
| 934639432 | RSTS 8X-RSTS 4D-S4742/46 M | 46 m |
| 934639434 | RSTS 8X-RSTS 4D-S4742/61 M | 61 m |
| 934639435 | RSTS 8X-RSTS 4D-S4742/70 M | 70 m |
| 934639436 | RSTS 8X-RSTS 4D-S4742/80 M | 80 m |
| 934639437 | RSTS 8X-RSTS 4D-S4742/90 M | 90 m |

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