



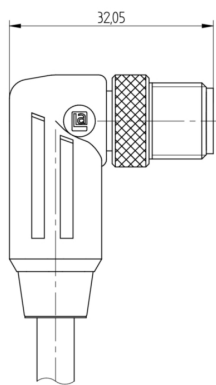
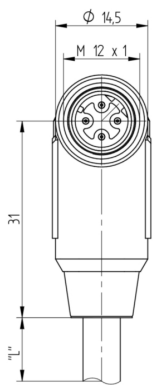
Product: [0985 342 130](#)

Fast Ethernet Cat5e Data Single-Ended Cordset: M12 Standard, male, angled, 4-pin, D-coded, shielded, black body, 50 V AC / 60 V DC, 4 A; PUR green cable, 4-wires, 2x2x0.34 mm²

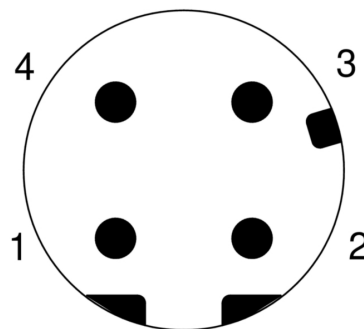
Product Description

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Technical Drawing



Male



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|--------|-------|--------|-------|
| yellow | white | orange | blue |

Technical Data

| | |
|---------------------------|-----------------------|
| Product Family: | Data Connectors |
| Product Sub Family: | M12 Standard |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Male |
| Connector Design: | Angled |
| Number of Pins: | 4 |
| Coding: | D |
| Shielding: | Shielded |
| Attachment Type: | Coupling Screw |
| Rated Voltage: | 60 V |
| Rated Voltage (UL): | 30 V AC/DC |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 4 A |
| Rated Current (UL)*: | 4 A |

| | |
|-----------------------------------|---|
| Data Transmission: | Fast Ethernet Cat5e |
| Data Transmission Rate: | 100 Mbit/s |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C |
| Operating Temperature (UL): | max. + 50 °C |
| Protection Degree / IP Rating**: | IP65, IP67, IP68 (1 m / 24 h), IP69K |
| Design Standard: | IEC 61076-2-101 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---|
| Contact Base Material: | CuSn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PBT |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | TPU |
| Molded Body Color: | Black |
| Flammability Class (Molded Body): | UL 94 V-2 |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| Shielding Material: | Housing: GD-Zn, nickel-plated, Sleeve: CuZn, tin-plated |

Additional Technical Data

| | |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Cable Data

| | |
|---|--|
| Cable Number: | 342 |
| Conductor Size: | 2x2x0.34 mm² |
| Number of Wires: | 4 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 2 M |
| Cycles (Torsion): | > 2 M @ ± 360 °/1 m |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| 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 1.58 ± 0.05 mm |
| Overall Shield (Cable): | Cu-ETP1 tinned |
| Foil shield: | Al-PT Foil |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 80 °C |
| Ambient Temperature (Flex Installation): | - 25 °C - + 80 °C |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C |
| UL Cable Type: | AWM: 20549 |
| Flammability Class (Cable Jacket): | DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2, flame-retardant |

| | |
|------------------------|---|
| Cable Characteristics: | Exclusion of dangerous materials; Line construction similar PROFINET C-Specification; Line requirements similar: IEC 11801, IEC 61156 (CAT 5), EN 50173, EN 50288-2-2 (100MHz-cable and EIA/TIA 568 B (CAT 5e), Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Good chemical and oil resistance; Exclusion of PVC and Silicone; LABS-free of lacquer wetting disturbing substances; Coldness flexibility |
| Core Colors: | star quad: white & blue, yellow & orange |

Approvals

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

Safety & Environmental Compliance

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

Resistances

| | |
|-----------------|---|
| Halogenfree: | DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1 |
| Oil Resistance: | EN 60811 Part 2-1 |

Notes

| | |
|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

Variants

| Item # | Item Description | Cable Length |
|-----------|--------------------|--------------|
| 934636800 | 0985 342 130/0,3 M | 0.3 m |
| 2521 | 0985 342 130/1 M | 1 m |
| 2374 | 0985 342 130/2 M | 2 m |
| 2522 | 0985 342 130/3 M | 3 m |
| 934726002 | 0985 342 130/5 M | 5 m |
| 2524 | 0985 342 130/10 M | 10 m |
| 2525 | 0985 342 130/15 M | 15 m |
| 8068 | 0985 342 130/30 M | 30 m |

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