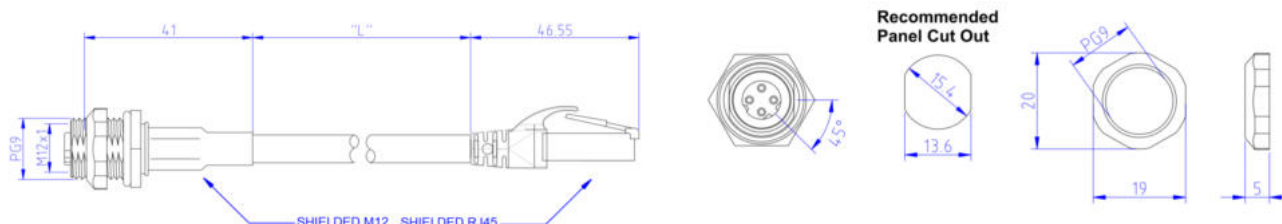


**Product:** [0985 YM57530-BK 104](#) 

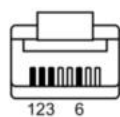
Fast Ethernet Cat5e, double-ended cord set, RJ45 male, straight, 8-pin to a M12 female, PG9 panel rear mount, 4-pin, D-coding, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with black jacket

**Product Description**

Fast Ethernet Cat5e, double-ended cord set, RJ45 male, straight, 8-pin to a M12 female, PG9 panel rear mount, 4-pin, D-coding, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with black jacket

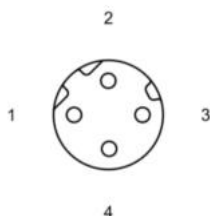
**Technical Drawing**

Technical Data Side 1  
RJ45 Male

**Color Code**

1 = WH/OR  
3 = WH/GN  
2 = OR  
6 = GN  
Shield = RJ45 Sleeve

Technical Data Side 2  
M12 Female

**Color Code**

1 = WH/OR  
2 = WH/GN  
3 = OR  
4 = GN  
Shield = Sleeve

**Technical Specifications****Product Description**

|                        |                       |
|------------------------|-----------------------|
| Product Family:        | Data Connectors       |
| Brand:                 | Lumberg Automation    |
| Connector Type:        | Cordset, double ended |
| Shielding:             | Shielded              |
| Rated Voltage:         | 42 V                  |
| Rated Impulse Voltage: | 1.5 kV                |
| Operating Voltage:     | 30 V AC/ 42 V DC      |

|                         |                     |
|-------------------------|---------------------|
| Rated Current*:         | 1.5 A               |
| Data Transmission:      | Fast Ethernet Cat5e |
| Data Transmission Rate: | 100 Mbit/s          |

Technical Data Side 1

|                                   |                      |
|-----------------------------------|----------------------|
| Product Sub Family:               | RJ45                 |
| Type of Contact / Gender:         | Male                 |
| Connector Design:                 | Straight             |
| Attachment Type:                  | Plug                 |
| Number of Pins:                   | 8 (4 terminated)     |
| Coding:                           | RJ45                 |
| Mating Cycles:                    | ≤ 750                |
| Ambient Temperature (Operation)*: | - 40 °C - + 70 °C    |
| Protection Degree / IP Rating**:  | IP20                 |
| Contact Base Material:            | P / CuSN             |
| Contact Plating:                  | Au                   |
| Contact Bearer Material:          | Polycarbonate        |
| Contact Bearer Color:             | Clear                |
| Molded Body Material:             | Elastomer Polyolefin |
| Molded Body Color:                | Black                |

Cable Data

|                                           |                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Cable Number:                             | YM57530-BK                                                                                                     |
| Conductor Size:                           | 24 AWG                                                                                                         |
| Number of Wires:                          | 2 Pair (bonded twisted pairs)                                                                                  |
| Minimal Bending Radius (Fixed Inst):      | 5 x D                                                                                                          |
| Minimal Bending Radius (Flexible Inst):   | 10 x D                                                                                                         |
| Cycles (Bending):                         | 3                                                                                                              |
| Cycles (Torsion):                         | > 5 M @ ± 360 °/1 m                                                                                            |
| Cable Jacket Material:                    | TPE                                                                                                            |
| Cable Jacket Color:                       | Black                                                                                                          |
| Cable Diameter D:                         | ø 7.62 mm                                                                                                      |
| Wire Insulation Material:                 | Polyolefin                                                                                                     |
| Insulated Wire Diameter:                  | ø 1.02 ± 0.05 mm                                                                                               |
| Overall Shield (Cable):                   | TC Braid 65%                                                                                                   |
| Foil shield:                              | Al Foil 100%                                                                                                   |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 75 °C                                                                                              |
| Ambient Temperature (Flex Installation):  | - 25 °C - + 75 °C                                                                                              |
| Ambient Temperature (Drag Chain Inst):    | - 25 °C - + 60 °C                                                                                              |
| UL Cable Type:                            | AWM 20626, 80C 600 V                                                                                           |
| Cable Characteristics:                    | NEMA WC-63.1 Category 5, ICEA 661, Category 5e Patch, TIA/EI-568-B.2, Category 5e, Indoor/Outdoor Yes, Oil Res |
| Core Colors:                              | Bonded Twisted pairs: wh/or   wh/gn                                                                            |

Technical Data Side 2

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Product Sub Family, Side 2:               | M12 Standard                            |
| Type of Contact / Gender, Side 2:         | Female                                  |
| Connector Design, Side 2:                 | Panel Mount PG9 Rear Mount              |
| Attachment Type, Side 2:                  | Internally Threaded                     |
| Number of Pins, Side 2:                   | 4                                       |
| Coding, Side 2:                           | D                                       |
| Mating Cycles, Side 2:                    | ≤ 100                                   |
| Ambient Temperature (Operation), Side 2*: | - 25 °C - + 75 °C                       |
| Protection Degree / IP Rating, Side 2**:  | IP65, IP67                              |
| Design Standard, Side 2:                  | IEC 61076-2-101                         |
| 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:            | CuSn                                    |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Contact Plating, Side 2:                     | Cu/Au                           |
| Contact Bearer Material, Side 2:             | PBT                             |
| Contact Bearer Color, Side 2:                | Black                           |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB                        |
| Molded Body Material, Side 2:                | CuSn, Nickled Plated            |
| Molded Body Color, Side 2:                   | Sliver                          |
| Shielding Material, Side 2:                  | CuZn, tin-plated                |
| Fastening Torque (Attachment), Side 2:       | M 12x1: (50-60) Ncm, hand-tight |

Safety & Environmental Compliance

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

Resistances

|                 |     |
|-----------------|-----|
| Oil Resistance: | Yes |
|-----------------|-----|

Notes

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

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.15 Revision Date: 04-25-2023 |
|----------------------|-------------------------------------------------|

Variants

| Item #    | Item Description         | Cable Length |
|-----------|--------------------------|--------------|
| 900016367 | 0985 YM57530-BK 104/0.5M | 0.5 m        |

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