

**RJ45 male 0° / RJ45 male 0° shielded**

PUR 4x2xAWG24 shielded gn UL/CSA 15m

Art.No.: 7000-74331-8261500

Weight: 1.773

Country of origin: HU

Model designation: MSRAL0-RA-8p8c826\_15.0

Ethernet

Male straight – male straight

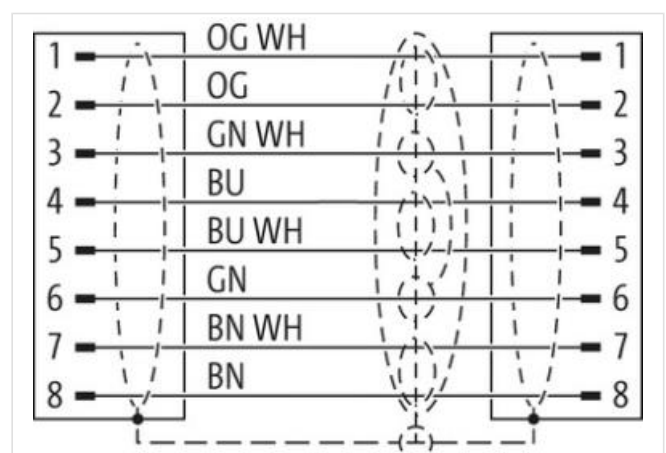
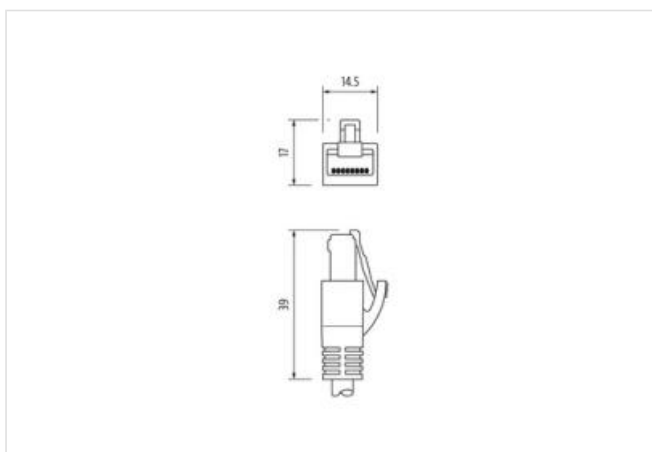
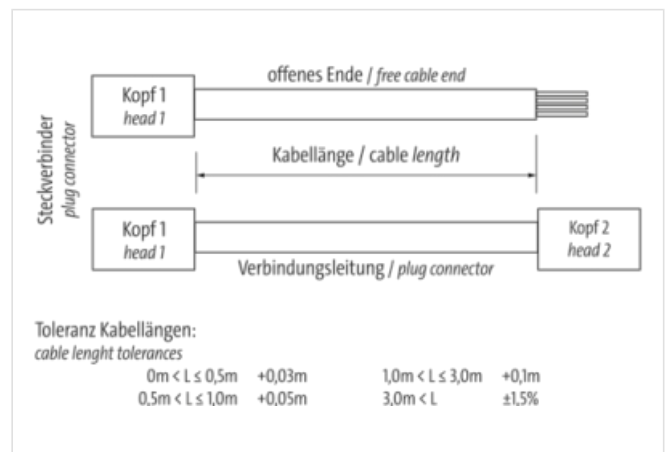
RJ45 – RJ45, 8-pole

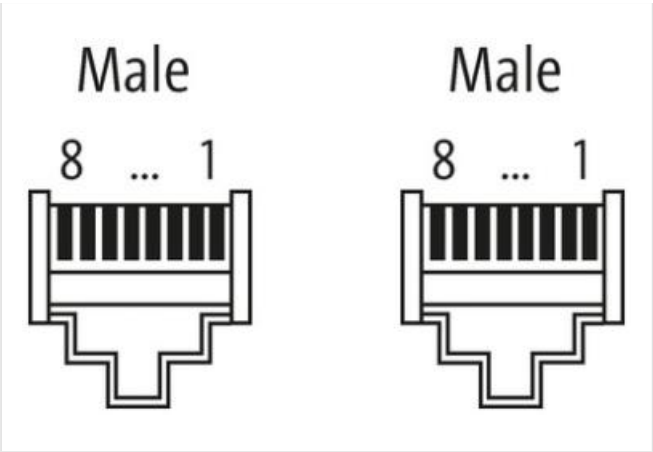
shielded

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**



Product may differ from Image



|                                     |               |
|-------------------------------------|---------------|
| Cable length                        | 15 m          |
| Side 1                              |               |
| Mounting method                     | inserted      |
| Family construction form            | RJ45          |
| Cable outlet                        | straight      |
| No. of poles                        | 8             |
| Degree of protection (EN IEC 60529) | IP20          |
| Side 2                              |               |
| Mounting method                     | inserted      |
| Family construction form            | RJ45          |
| Cable outlet                        | straight      |
| No. of poles                        | 8             |
| Degree of protection (EN IEC 60529) | IP20          |
| Commercial data                     |               |
| ECLASS-6.0                          | 27061801      |
| ECLASS-6.1                          | 27060307      |
| ECLASS-7.0                          | 27060307      |
| ECLASS-8.0                          | 27060307      |
| ECLASS-9.0                          | 27060307      |
| ECLASS-10.1                         | 27060307      |
| ECLASS-11.1                         | 27060307      |
| ECLASS-12.0                         | 27060307      |
| ETIM-5.0                            | EC002599      |
| customs tariff number               | 85444210      |
| customs tariff number               | 85444210      |
| EAN                                 | 4048879853668 |
| EAN                                 | 4048879853668 |
| Packaging unit                      | 1             |
| Packaging unit                      | 1             |
| Electrical data   Supply            |               |
| Operating voltage DC max.           | 60 V          |
| Current operating per contact max.  | 1,5 A         |

| Industrial communication                 |                                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transfer parameters                      | CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)                                                                                                     |
| Data transmission rate max.              | 10 GBit/s                                                                                                                                             |
| Diagnostics                              |                                                                                                                                                       |
| Status indication LED                    | no                                                                                                                                                    |
| Mechanical data                          |                                                                                                                                                       |
| Contour for corrugated hose              | without                                                                                                                                               |
| Mechanical data   Mounting data          |                                                                                                                                                       |
| Looking techniques                       | Snap-in connector                                                                                                                                     |
| Environmental characteristics   Climatic |                                                                                                                                                       |
| Operating temperature min.               | -25 °C                                                                                                                                                |
| Operating temperature max.               | 55 °C                                                                                                                                                 |
| Additional condition temperature range   | depending on cable quality                                                                                                                            |
| Important installation notes             |                                                                                                                                                       |
| Note on strain relief                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius                   | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Installation   Cable                     |                                                                                                                                                       |
| wire arrangement                         | (blue-white, blue), (brown-white, brown), (green-white, green), (orange-white, orange)                                                                |
| Cable identification                     | 826                                                                                                                                                   |
| Jacket Color                             | green                                                                                                                                                 |
| Type of Certificate                      | cURus                                                                                                                                                 |
| Amount stranding                         | 4                                                                                                                                                     |
| Stranding                                | 2 wires twisted                                                                                                                                       |
| Stranding (type 2)                       | 4 Stranded joints around Insulation element twisted                                                                                                   |
| Cable shielding (type)                   | copper braid, tinned                                                                                                                                  |
| Cable shielding (coverage)               | 85 %                                                                                                                                                  |
| Banding                                  | Fleece, Foil                                                                                                                                          |
| Filler                                   | Insulation element                                                                                                                                    |
| wire arrangement                         | (blue-white, blue), (brown-white, brown), (green-white, green), (orange-white, orange)                                                                |
| Cable weight                             | 116,6 g/m                                                                                                                                             |
| Material jacket                          | PUR                                                                                                                                                   |
| Shore hardness jacket                    | 90 Shore A                                                                                                                                            |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Outer-diameter (jacket)                  | 8,9 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)        | ± 5 %                                                                                                                                                 |
| Material inner jacket                    | TPE-V                                                                                                                                                 |
| Color (inner jacket)                     | natural                                                                                                                                               |
| Material wire insulation                 | PP                                                                                                                                                    |
| Amount wires                             | 8                                                                                                                                                     |
| Outer diameter insulation                | 1,05 mm                                                                                                                                               |
| Outer diameter tolerance core insulation | ± 5 %                                                                                                                                                 |
| Shore hardness wire insulation           | 61 Shore D                                                                                                                                            |
| Amount strands (wire)                    | 7                                                                                                                                                     |
| Diameter of single wires                 | 24 AWG                                                                                                                                                |
| Conductor crosssection (wire)            | 24 AWG                                                                                                                                                |
| Material conductor wire                  | Stranded copper wire, bare                                                                                                                            |
| Nominal voltage AC max.                  | 300 V                                                                                                                                                 |
| Current load capacity (standard)         | to DIN VDE 0298-4                                                                                                                                     |
| Current load capacity min. wire          | 3 A                                                                                                                                                   |
| Characteristic impedance                 | 100 Ω ± 15 % MHz                                                                                                                                      |
| Electrical resistance line constant wire | 87,6 Ω/km @ 20 °C                                                                                                                                     |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                          |
| Electrical capacity line constant (wire - wire)   | 52000 pF/km                                          |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                          |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s                                          |
| Min. operating temperature (static)               | -40 °C                                               |
| Max. operating temperature (fixed)                | 80 °C                                                |
| Operating temperature min. (dynamic)              | -20 °C                                               |
| Operating temperature max. (dynamic)              | 70 °C                                                |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                            | 8 x Outer diameter                                   |
| Bending radius (dynamic)                          | 15 x Outer diameter                                  |
| No. of bending cycles (C-track)                   | 2 Mio. @ 25 °C                                       |
| Traversing distance (C-track)                     | 5 m @ 25 °C                                          |
| Travel speed (C-track)                            | 3 m/s @ 25 °C                                        |
| No. of torsion cycles                             | 1 Mio.                                               |
| Torsion stress                                    | ± 180 °/m                                            |