

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

FRNC/LS0H 4x2xAWG26 shielded gn UL 1m

Art.No.: 7000-74712-4780100

Weight: 0.072

Country of origin: HU

Model designation: MSRAL0-RA-8p8c4780100

Ethernet CAT6A

Male straight – male straight

RJ45 – RJ45, 8-pole

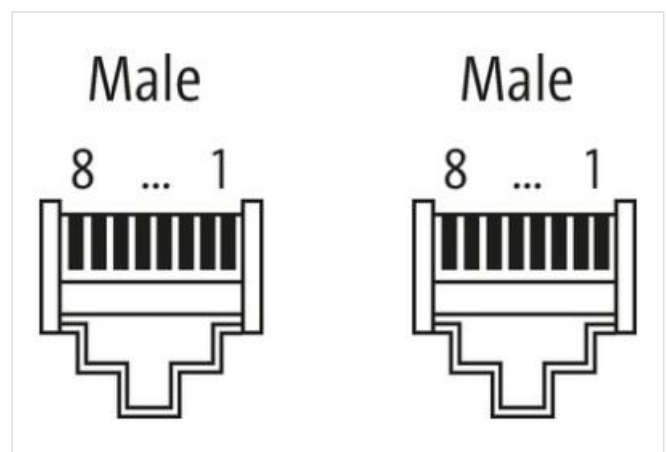
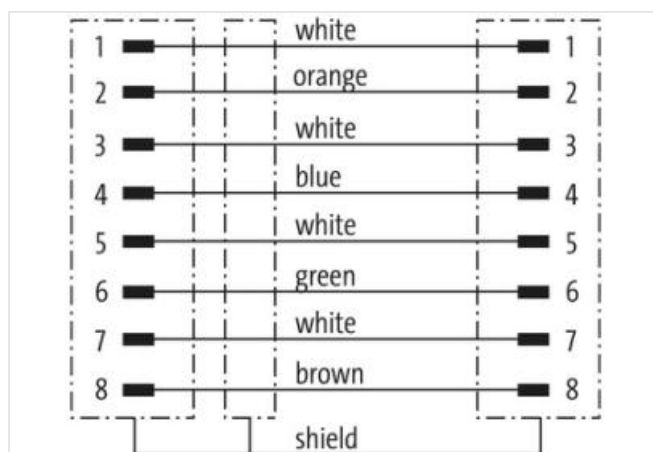
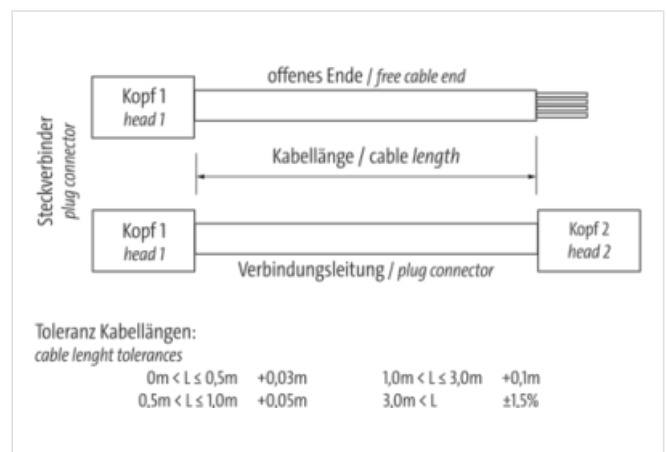
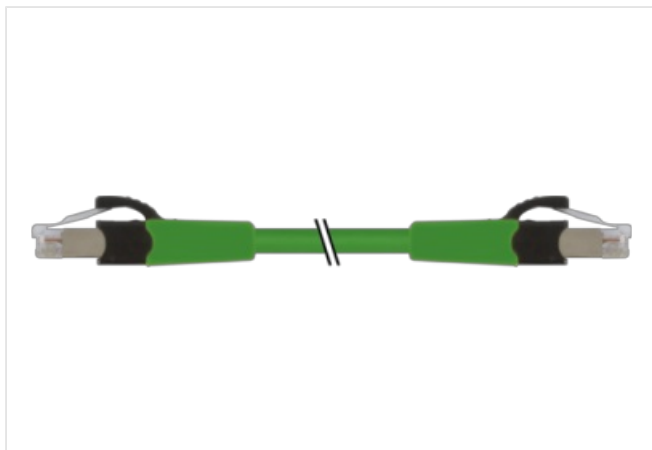
shielded

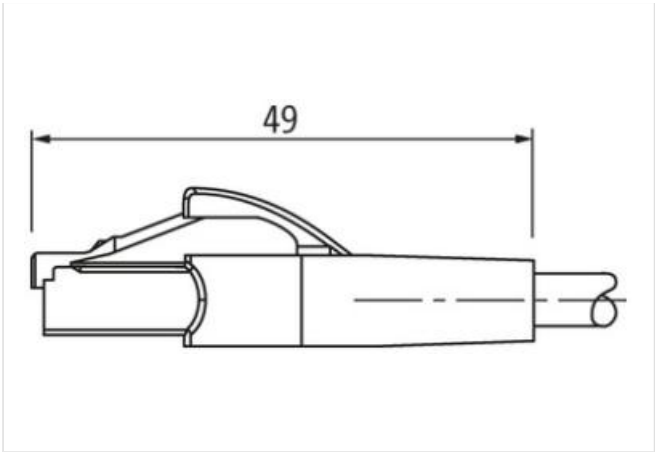
with cable sleeves

Further cable lengths on request.

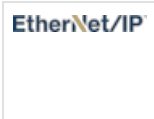
Plastic housings with good resistance against chemicals and oils.

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                        | 1 m           |
| Side 1                              |               |
| Mounting method                     | inserted      |
| Family construction form            | RJ45          |
| Gender                              | male          |
| Cable outlet                        | straight      |
| No. of poles                        | 8             |
| Degree of protection (EN IEC 60529) | IP20          |
| Side 2                              |               |
| Mounting method                     | inserted      |
| Family construction form            | RJ45          |
| Gender                              | male          |
| 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                                 | 4048879595186 |
| EAN                                 | 4048879595186 |
| Packaging unit                      | 1             |
| Packaging unit                      | 1             |
| Electrical data   Supply            |               |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating voltage DC max.                       | 60 V                                                                                                                                                  |
| Operating voltage DC max. (UL-listed)           | 25 V                                                                                                                                                  |
| Current operating per contact max.              | 1,5 A                                                                                                                                                 |
| <b>Industrial communication</b>                 |                                                                                                                                                       |
| Transfer parameters                             | CAT6A                                                                                                                                                 |
| Data transmission rate max.                     | 10 GBit/s                                                                                                                                             |
| <b>Diagnostics</b>                              |                                                                                                                                                       |
| Status indication LED                           | no                                                                                                                                                    |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP20                                                                                                                                                  |
| Pollution Degree                                | 3                                                                                                                                                     |
| Rated surge voltage                             | 1 kV                                                                                                                                                  |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| <b>Mechanical data</b>                          |                                                                                                                                                       |
| Contour for corrugated hose                     | without                                                                                                                                               |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Material housing                                | PUR                                                                                                                                                   |
| Locking material                                | PA                                                                                                                                                    |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Looking techniques                              | Snap-in connector                                                                                                                                     |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -25 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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. |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| wire arrangement                                | white, blue, white, orange, white, green, white, brown                                                                                                |
| Cable identification                            | 478                                                                                                                                                   |
| Jacket Color                                    | green                                                                                                                                                 |
| Amount stranding                                | 4                                                                                                                                                     |
| Stranding                                       | 2 wires twisted                                                                                                                                       |
| Amount stranding (type 2)                       | 1                                                                                                                                                     |
| Stranding (type 2)                              | 4 Stranded joints twisted                                                                                                                             |
| Cable shielding (type)                          | copper braiding, bare                                                                                                                                 |
| wire arrangement                                | white, blue, white, orange, white, green, white, brown                                                                                                |
| Material jacket                                 | FRNC                                                                                                                                                  |
| Outer-diameter (jacket)                         | 6 mm                                                                                                                                                  |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                 |
| Material wire insulation                        | FRNC                                                                                                                                                  |
| Amount wires                                    | 8                                                                                                                                                     |
| Diameter of single wires                        | 26 AWG                                                                                                                                                |
| Conductor crosssection (wire)                   | 26 AWG                                                                                                                                                |
| Material conductor wire                         | Stranded copper wire, bare                                                                                                                            |
| Min. operating temperature (static)             | -20 °C                                                                                                                                                |
| Max. operating temperature (fixed)              | 60 °C                                                                                                                                                 |
| Operating temperature min. (dynamic)            | 0 °C                                                                                                                                                  |
| Operating temperature max. (dynamic)            | 50 °C                                                                                                                                                 |
| Flame resistance                                | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2                                                                                                   |

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| chemical resistance      | Good, application-related testing                    |
| Gasoline resistance      | Good, application-related testing                    |
| Oil resistance           | DIN EN 60811-404   Good, application-related testing |
| Bending radius (dynamic) | 5 x Outer diameter                                   |