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

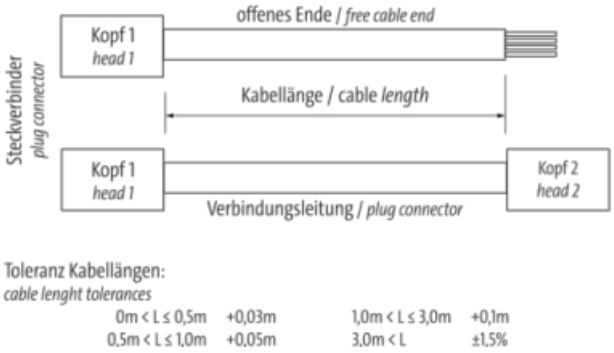
FRNC/LS0H 4x2xAWG27 shielded rd UL 18m

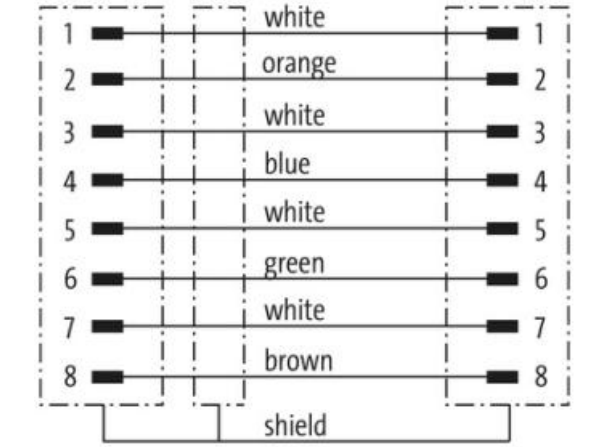
Art.No.: 7000-74712-5781800
Weight: 0.854
Country of origin: HU
Model designation: MSRAL0-RA-8p8c5781800

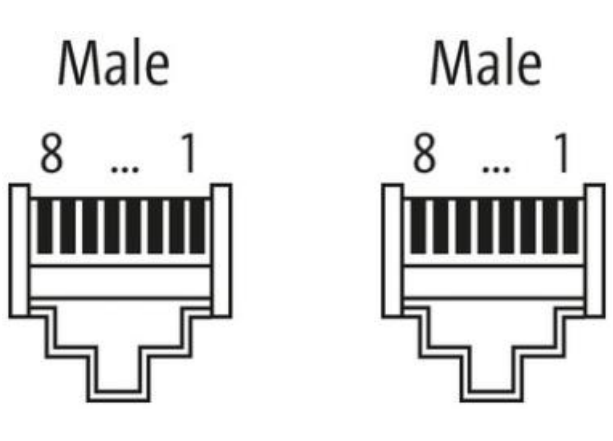
Ethernet CAT6A
Male straight – male straight
RJ45 – RJ45, 8-pole
shielded
with cable sleeves
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

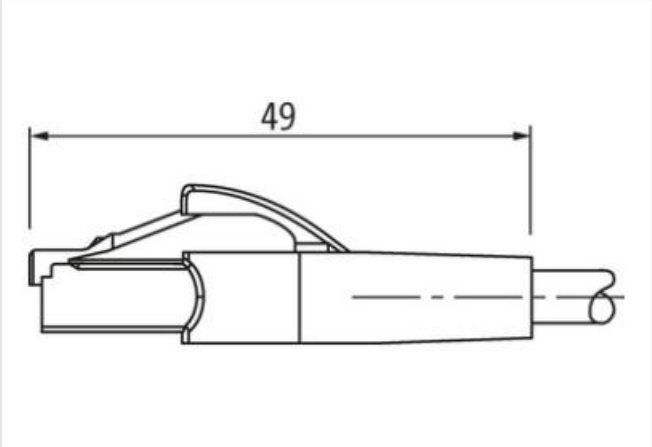
**Illustration**



MURR ELEKTRONIK
stay connected




Product may differ from Image

| | |
|---|---|
| Cable length | 18 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 | 4048879901383 |
| EAN | 4048879901383 |
| Packaging unit | 1 |
| Packaging unit | 1 |
| **Electrical data \| Supply** | |

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stay connected

| | |
|---|---|
| Operating voltage DC max. | 60 V |
| Operating voltage DC max. (UL-listed) | 25 V |
| Current operating per contact max. | 1,5 A |
| **Industrial communication** | |
| Transfer parameters | CAT6A |
| Data transmission rate max. | 10 GBit/s |
| **Diagnostics** | |
| Status indication LED | no |
| **Device protection \| Electrical** | |
| Degree of protection (EN IEC 60529) | IP20 |
| Pollution Degree | 3 |
| Rated surge voltage | 1 kV |
| Material group (IEC 60664-1) | I |
| **Mechanical data** | |
| Contour for corrugated hose | without |
| **Mechanical data \| Material data** | |
| Material housing | PUR |
| Locking material | PA |
| **Mechanical data \| Mounting data** | |
| Looking techniques | Snap-in connector |
| **Environmental characteristics \| Climatic** | |
| Operating temperature min. | -25 °C |
| Operating temperature max. | 85 °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 | **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| **Installation \| Cable** | |
| wire arrangement | white, blue, white, orange, white, green, white, brown |
| Cable identification | 578 |
| Jacket Color | red |
| 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 |
| Amount strands (wire) | 7 |
| Diameter of single wires | 27 AWG |
| Conductor crosssection (wire) | 27 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 | 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 (dynamic) | 5 x Outer diameter |