

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

FRNC/LS0H 4x2xAWG27 shielded ye UL 3m

Art.No.: 7000-74711-3780300

Weight: 0.159 kg

Country of origin: HU

Model designation: MSRAL0-RA-8p8c378\_3.0

Ethernet CAT6A

Male straight – male straight

RJ45 – RJ45, 8-pole

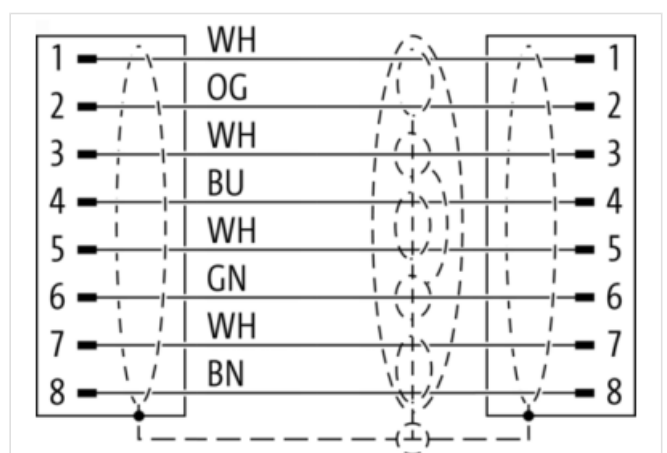
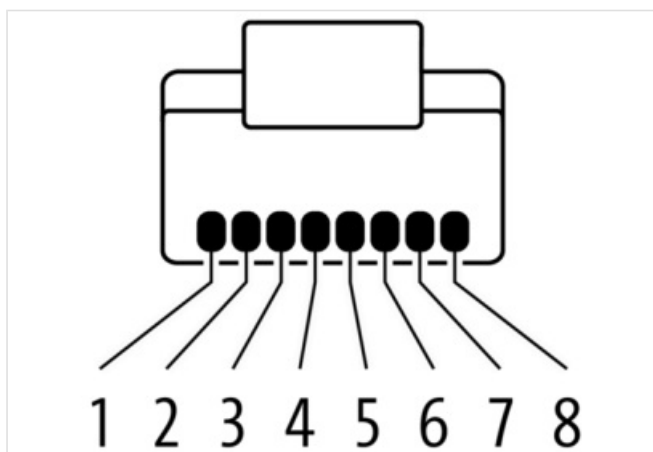
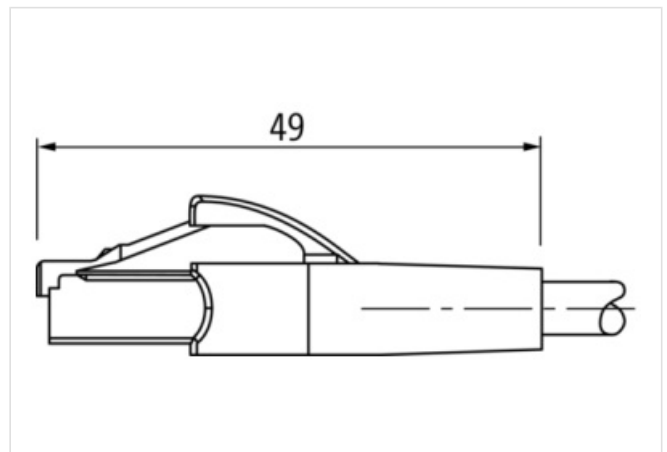
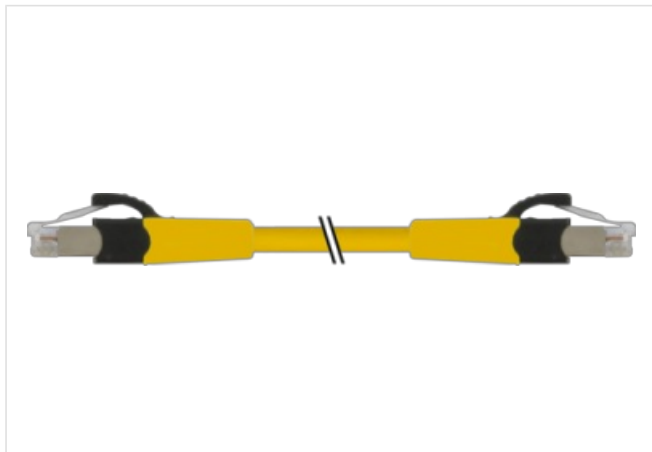
Shielded

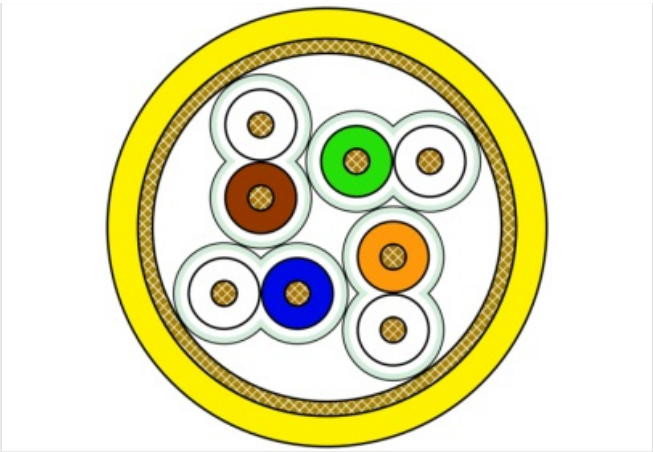
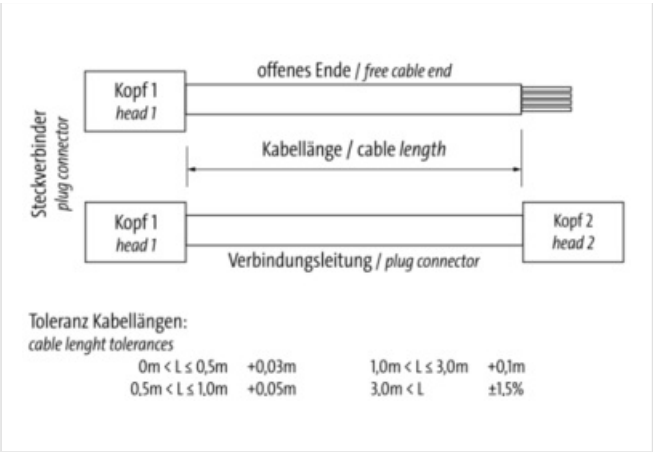
without cable sleeves

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                        | 3,00 m                                                                                                              |
| Side 1                              |                                                                                                                     |
| Family construction form            | RJ45                                                                                                                |
| No. of poles                        | 8                                                                                                                   |
| Gender                              | male                                                                                                                |
| Mounting method                     | inserted                                                                                                            |
| Cable outlet                        | straight                                                                                                            |
| Degree of protection (EN IEC 60529) | IP20                                                                                                                |
| Side 2                              |                                                                                                                     |
| Family construction form            | RJ45                                                                                                                |
| No. of poles                        | 8                                                                                                                   |
| Gender                              | male                                                                                                                |
| Mounting method                     | inserted                                                                                                            |
| Cable outlet                        | straight                                                                                                            |
| Degree of protection (EN IEC 60529) | IP20                                                                                                                |
| Commercial data                     |                                                                                                                     |
| URL Webshop                         | <a href="https://shop.murrelektronik.com/7000-74711-3780300">https://shop.murrelektronik.com/7000-74711-3780300</a> |
| GTIN                                | 4048879606066                                                                                                       |
| EU-Customs tariff number            | 85444210                                                                                                            |
| US-Customs tariff number            | 8544422000                                                                                                          |
| ECLASS-6.0                          | 27061801                                                                                                            |
| ECLASS-6.1                          | 27060307                                                                                                            |
| ECLASS-7.0                          | 27060307                                                                                                            |
| ECLASS-7.1                          | 27060307                                                                                                            |
| ECLASS-8.0                          | 27060307                                                                                                            |
| ECLASS-8.1                          | 27060307                                                                                                            |
| ECLASS-9.0                          | 27060307                                                                                                            |
| ECLASS-9.1                          | 27060307                                                                                                            |
| ECLASS-10.0.1                       | 27060307                                                                                                            |
| ECLASS-10.1                         | 27060307                                                                                                            |
| ECLASS-11.0                         | 27060307                                                                                                            |
| ECLASS-11.1                         | 27060307                                                                                                            |

|                       |               |
|-----------------------|---------------|
| ECLASS-12.0           | 27060307      |
| ECLASS-13.0           | 27060307      |
| ECLASS-14.0           | 27060307      |
| ETIM-5.0              | EC002599      |
| ETIM-6.0              | EC002599      |
| ETIM-7.0              | EC002599      |
| ETIM-8.0              | EC002599      |
| ETIM-9.0              | EC002599      |
| ETIM-10.0             | EC002599      |
| customs tariff number | 85444210      |
| EAN                   | 4048879606066 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                                       |       |
|---------------------------------------|-------|
| Operating voltage DC max.             | 60 V  |
| Current operating per contact max.    | 1,5 A |
| Operating voltage DC max. (UL-listed) | 25 V  |

#### Industrial Communication

|                             |           |
|-----------------------------|-----------|
| Data transmission rate max. | 10 Gbit/s |
| Transfer parameters         | CAT6A     |

#### Diagnostics

|                       |    |
|-----------------------|----|
| Status indication LED | No |
|-----------------------|----|

#### Device protection | Electrical

|                                        |          |
|----------------------------------------|----------|
| Degree of protection (EN IEC 60529)    | IP20     |
| Additional condition protection degree | inserted |
| 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

|                  |     |
|------------------|-----|
| 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 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. |
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |

#### Installation | Cable

|                        |                                        |
|------------------------|----------------------------------------|
| Cable identification   | 378                                    |
| Cable weight           | 43 g/m                                 |
| Stranding              | 4 × 2 wires stranded                   |
| Stranding (type 2)     | 1 × 4 stranding combinations stranded  |
| Cable shielding (type) | copper braiding, bare                  |
| Pair shielding (type)  | Metal foil                             |
| Banding                | Foil                                   |
| Wire arrangement       | (WH, BN), (WH, BU), (WH, OG), (WH, GN) |

|                                     |                                                                                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------|
| Shield                              | shielded                                                                                           |
| Cable type                          | Industrial Ethernet CAT7                                                                           |
| Material wire insulation            | cell polyethylene                                                                                  |
| Amount wires                        | 8                                                                                                  |
| Outer diameter insulation           | 1 mm ± 0.05 mm                                                                                     |
| Conductor crosssection (wire)       | 27 AWG                                                                                             |
| Material conductor wire             | Stranded copper wire, bare                                                                         |
| Core construction (wire)            | 7 x 35 AWG                                                                                         |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free                                                                  |
| Material jacket                     | FRNC                                                                                               |
| Outer-diameter (jacket)             | 6 mm ± 5 %                                                                                         |
| Jacket Color                        | yellow / RAL 1021                                                                                  |
| Freedom from ingredients (jacket)   | lead-free, CFC-free, halogen-free                                                                  |
| Cable shielding (type)              | copper braiding, bare                                                                              |
| Pair shielding (type)               | Metal foil                                                                                         |
| Nominal voltage max.                | 125 V                                                                                              |
| Withstand voltage (wire - wire)     | 2.5 kV @ 2 s                                                                                       |
| Withstand voltage (wire - jacket)   | 2.5 kV @ 2 s                                                                                       |
| Withstand voltage (wire - shield)   | 2.5 kV @ 2 s                                                                                       |
| Current load capacity max. (wire)   | 1,3 A                                                                                              |
| Current load capacity (standard)    | to DIN VDE 0298-4                                                                                  |
| Electric capacitance                | 44.000 pF/km                                                                                       |
| Isolation resistance                | 5 GΩ × km                                                                                          |
| Characteristic impedance            | 100 Ω ± 5 % @ 100 MHz                                                                              |
| Operating temperature (static)      | -20 °C ... 60 °C                                                                                   |
| Operating temperature (dynamic)     | -20 °C ... 60 °C                                                                                   |
| Flame resistance                    | IEC 60332-1-2, IEC 60332-2-2, IEC 60332-3-24, IEC 60754-2, IEC 61034-1, IEC 61034-2, UL 2556 § 9.4 |
| Notes                               | application-related testing                                                                        |
| Bending radius (dynamic)            | 4 × Outer diameter                                                                                 |