

**RJ45 male 0° / RJ45 male 0°, Gigabit**

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 1m

Art.No.: 7700-74718-S4W0100

Weight: 0.090 kg

Country of origin: HU

Model designation: MSRAL0-RA-8p8cS4W\_1.0

Ethernet CAT5e

Male straight – male straight

RJ45 – RJ45, 8-pole

without cable sleeves

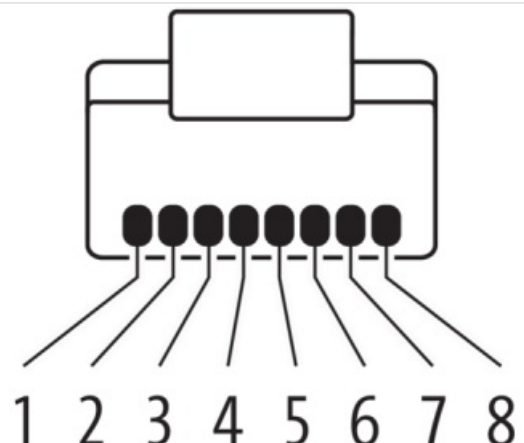
Shielded

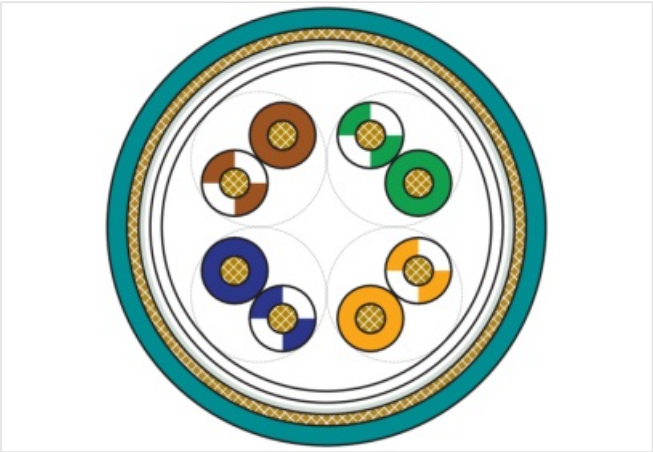
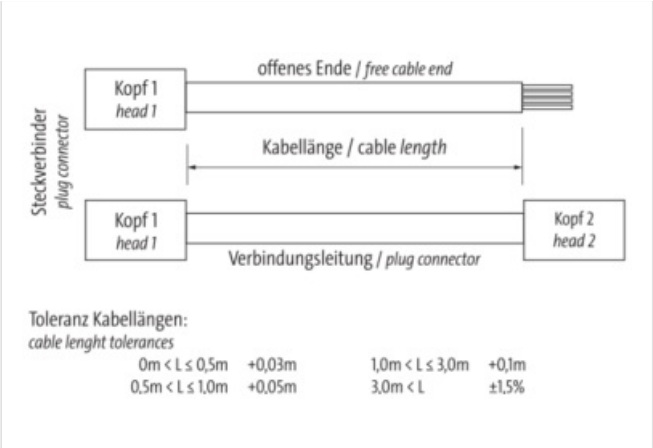
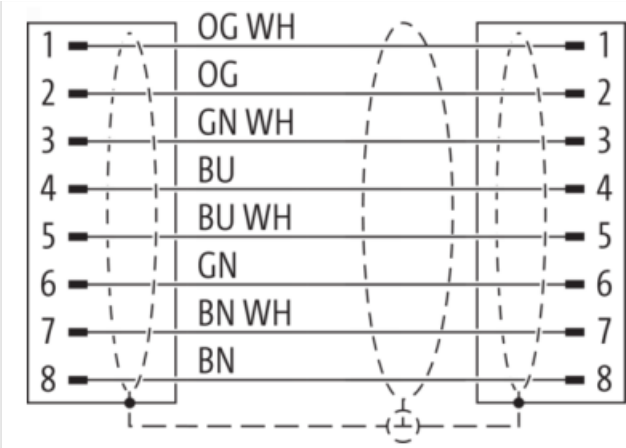
Protection cap

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



| Header                              |                       |
|-------------------------------------|-----------------------|
| Material short text                 | MSRAL0-RA-8p8cS4W_1.0 |
| Cable length                        | 1,00 m                |
| Side 1                              |                       |
| Family construction form            | RJ45                  |
| No. of poles                        | 8                     |
| Gender                              | male                  |
| Mounting method                     | inserted, screwed     |
| 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, screwed     |
| Cable outlet                        | straight              |
| Degree of protection (EN IEC 60529) | IP20                  |
| Commercial data                     |                       |

URL Webshop <https://shop.murrelektronik.com/7700-74718-S4W0100>

|                       |               |
|-----------------------|---------------|
| GTIN                  | 4048879661157 |
| 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      |
| customs tariff number | 85444210      |
| EAN                   | 4048879661157 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                                    |       |
|------------------------------------|-------|
| Operating voltage DC max.          | 60 V  |
| Current operating per contact max. | 1,5 A |

#### Industrial Communication

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Data transmission rate max. | 1 Gbit/s                                         |
| Transfer parameters         | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |

#### Diagnostics

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

#### Installation | Pin assignment

|               |            |
|---------------|------------|
| Configuration | fully used |
|---------------|------------|

#### Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Degree of protection (EN IEC 60529)    | IP20              |
| Additional condition protection degree | inserted, screwed |
| 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   |
| Color housing    | black |
| Locking material | PA    |

#### Mechanical data | Mounting data

|                    |                   |
|--------------------|-------------------|
| Mounting method    | inserted, screwed |
| 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                     | S4W                                                                                    |
| Function cable                           | Data                                                                                   |
| Stranding                                | 4 × 2 wires stranded                                                                   |
| Amount stranding (type 2)                | 1                                                                                      |
| Stranding (type 2)                       | 1 × 4 stranding combinations stranded                                                  |
| Banding                                  | Foil                                                                                   |
| Wire arrangement                         | (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) |
| Cable weight                             | 68 g/m                                                                                 |
| Material wire insulation                 | HDPE                                                                                   |
| Amount wires                             | 8                                                                                      |
| Outer diameter insulation                | 1,17 mm                                                                                |
| Outer diameter tolerance core insulation | ± 0,05 mm                                                                              |
| Ingredient freeness wire insulation      | lead-free, CFC-free                                                                    |
| Amount strands (wire)                    | 7                                                                                      |
| Diameter of single wires                 | 32 AWG                                                                                 |
| Conductor crosssection (wire)            | 24 AWG                                                                                 |
| Material conductor wire                  | copper stranded wire, tinned                                                           |
| Outer-diameter (jacket)                  | 7,6 mm                                                                                 |
| Tolerance outer diameter (sheath)        | ± 5 %                                                                                  |
| Material jacket                          | TPE                                                                                    |
| Shore hardness jacket                    | 80 ± 5 Shore A                                                                         |
| Freedom from ingredients (jacket)        | lead-free, CFC-free                                                                    |
| Conductor resistance (wire)              | 76.4 Ω/km @ 20 °C                                                                      |
| Nominal voltage max.                     | 600 V                                                                                  |
| Current load capacity (standard)         | to DIN VDE 0298-4                                                                      |
| Current load capacity max. (wire)        | 2 A                                                                                    |
| Operating temperature min. (static)      | -40 °C                                                                                 |
| Operating temperature max. (static)      | 80 °C                                                                                  |
| Operating temperature min. (dynamic)     | -40 °C                                                                                 |
| Operating temperature max. (dynamic)     | 80 °C                                                                                  |
| Storage temperature min.                 | -40 °C                                                                                 |
| Storage temperature max.                 | 80 °C                                                                                  |
| Bending radius (fixed)                   | 4 × Outer diameter                                                                     |
| Bending radius (dynamic)                 | 10 × Outer diameter                                                                    |
| No. of bending cycles (C-track)          | 1 Mio. @ 25 °C                                                                         |
| No. of torsion cycles                    | 3 Mio. @ 25 °C                                                                         |
| Torsion stress                           | ± 270 °/m                                                                              |