

# M8 round connector acc. to IEC 61076-2-104:2008

## General specifications

|                 |          |
|-----------------|----------|
| Form            | M8       |
| Connection      | male     |
| Connection type | straight |
| Number of pins  | 4        |

## Mechanical specifications

|                   |                              |
|-------------------|------------------------------|
| Contact elements  | spring-loaded contact socket |
| Pin diameter      | 1 mm                         |
| Contact materials | CuSn / Au                    |
| Contact surface   | Au                           |
| Body              | TPU, black                   |
| Sleeve connector  | Diecast zinc                 |

## Cable

|                        |                        |
|------------------------|------------------------|
| Sheath material        | PUR                    |
| Sheath color           | grey                   |
| Sheath diameter        | Ø 4,3 mm               |
| Length                 | 5 m ± 50mm             |
| Core isolation         | polypropylene          |
| Number of cores        | 4-core                 |
| Conductor construction | 14 x Ø 0,15mm          |
| Cross-section          | 4x0,25 mm <sup>2</sup> |

## Elektrical specifications

|                   |                |
|-------------------|----------------|
| Operating voltage | max. 30V AC/DC |
| Operating current | max. 2A        |

## General properties

|                                            |                 |
|--------------------------------------------|-----------------|
| Ambient temperature                        | -20 ... +80°C   |
| IP protection degree acc. to EN 60529:2000 | IP67/IP68/IP69K |

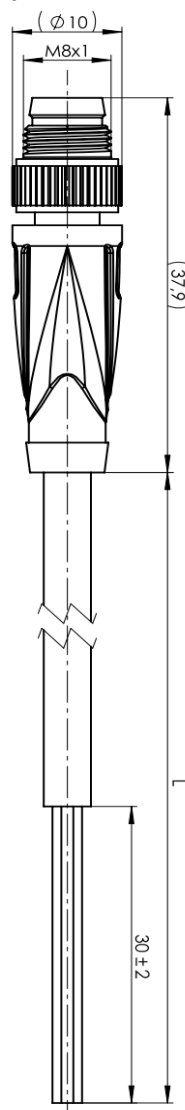
## Packaging

|                |
|----------------|
| Single package |
|----------------|

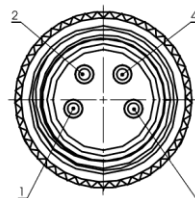
## Color of cores

1-brown  
2-white  
3-blue  
4-black

## Projected view



## Positions of contacts



|                       |                            |               |            |                                                                                            |                             |                                                           |                  |
|-----------------------|----------------------------|---------------|------------|--------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------|------------------|
|                       |                            |               |            | Zulässige Abweichung für Maße ohne Toleranzangabe<br>Unless otherwise specified tolerances | Format/Size: A4             | Maßstab/Scale:                                            | Gewicht/Weight:  |
|                       |                            |               |            | DIN ISO 2768-v                                                                             | Werkstoff:<br>Material:     | <b>Round connector M8 male straight<br/>5/4 PUR 5,00m</b> |                  |
|                       |                            |               |            | Schutzvermerk beachten<br>Observe protection note<br>ISO 16016                             | Benennung:<br>Title:        |                                                           |                  |
| Ind<br>Rev            | Änderung-Nr.<br>Change no. | Datum<br>Date | Name<br>By |         | Ident. - Nr.:               | Freigabe-Nr.:<br>Approval no.:                            | Blatt:<br>Sheet: |
| Geprüft:<br>Checked:  | 01.08.2016<br>PAL          |               |            |                                                                                            | 617-202-0119                | 26886                                                     | 1/1              |
| Erstellt:<br>Created: | 01.08.2016<br>MANGRA       |               |            |                                                                                            | Ersatz für/Replacement for: |                                                           |                  |