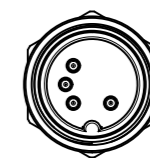
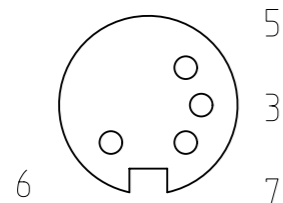


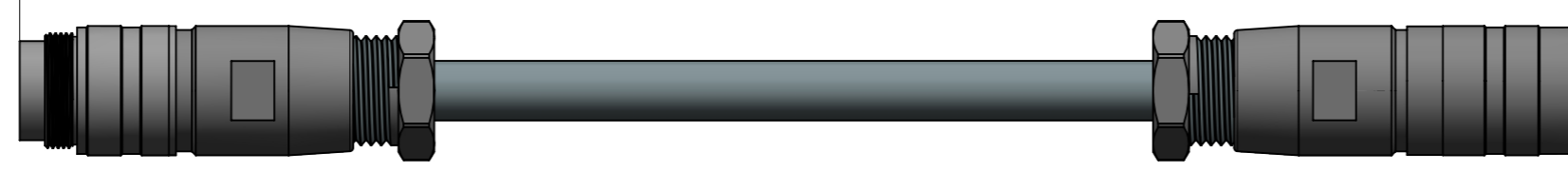
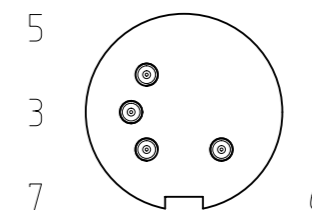
Length



AISG 8-pin female interface with 4 loaded contacts



AISG 8-pin male interface with 4 loaded contacts



**Characteristics**

|                       |   |  |
|-----------------------|---|--|
| Connectors            | according IEC 61076-2-106 and AISG C485           |  |
| Contact plating       | Ag  |  |
| Cable construction    | Jacket  | FR-PE, OD 6,8mm  |
|                       | 4 conductors                                      | 2x0,75mm <sup>2</sup> (power)<br>2x0,25mm <sup>2</sup> twisted pair (data) |
|                       | Screen  | Coverage 85%   |
|                       | Color   | black  |
| Temperature range     | -40°C to +80°C (fixed position)                   |  |
| Protection class      | IP 68 (mated)                                     |  |
| Salt spray resistance | Functional safety in plugged condition up to 720h |  |

**Configuration of Terminals**

| Female AISG connector | color of wire | Signal          | Male AISG connector |
|-----------------------|---------------|-----------------|---------------------|
| 3                     | white         | RS485 B         | 3                   |
| 5                     | brown         | RS 485 A        | 5                   |
| 6                     | red           | +24V DC nominal | 6                   |
| 7                     | black         | DC return       | 7                   |

pins 1, 2, 4 and 8 not connected

**Preferred Cable Length (other length on request)\***

| Part number        | length m / ft |
|--------------------|---------------|
| CA 091 60 4400 950 | 0,5 / 1,6     |
| CA 091 60 4400 001 | 1 / 3,2       |
| CA 091 60 4400 002 | 2 / 6,6       |
| CA 091 60 4400 003 | 3 / 9,8       |
| CA 091 60 4400 004 | 4 / 13,1      |
| CA 091 60 4400 005 | 5 / 16,4      |
| CA 091 60 4400 007 | 7 / 23,0      |
| CA 091 60 4400 010 | 10 / 32,8     |
| CA 091 60 4400 015 | 15 / 49,2     |
| CA 091 60 4400 020 | 20 / 65,6     |
| CA 091 60 4400 050 | 50 / 164      |
| CA 091 60 4400 100 | 100 / 328     |

**\* order other length**

| Cable Style and length | Definition of length   | Example                                   |
|------------------------|------------------------|---|
| CA 091 60 4400 XXX     | XXX = Length in meters | CA 091 60 4400 005<br>(length = 5 meters) |

|                                |  |   |  |                            |  |
|--------------------------------|--|---|--|----------------------------|--|
| Gewicht (errechnet) / Calc WT: |  | Zul. Abw./Tolerances:                       |  | Maßstab / Scale: A3        |  |
| Prüfmaß / Testdimension        |  | DIN / ISO 13715                             |  | CUSTOMER DRAWING           |  |
| Teileindex Partindexnumber     |  | Datum/Date Name                             |  |                            |  |
|                                |  | Gez. Drawn: 30.06.2016 MCARL                |  | Cable assembly             |  |
|                                |  | Status: in work Inspector: 30.06.2016 MCARL |  | FR-PE cable, 4 pins loaded |  |
|                                |  | <b>Amphenol-Tuchel Electronics GmbH</b>     |  | M CA 091 60 4400 XXX       |  |
| 01 201600004                   |  | 30.06.2016 MCARL                            |  | Blatt/Sheet 1              |  |
| Index Änderung/Description     |  | Datum/Date Name                             |  | 1 Bl.                      |  |
|                                |  | Ers. f. / Replacement for:                  |  |                            |  |

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