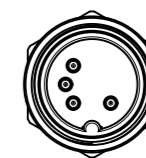
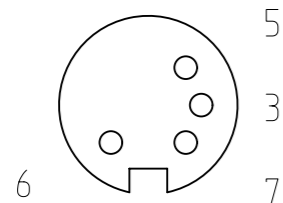


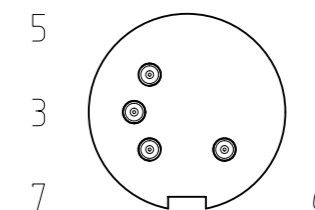
Length



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<br>Partindexnumber  |  | Datum/Date Name                                |  |  |  |
|                                |  | Gez. Drawn: 30.06.2016 MCARL                   |  | Cable assembly<br>FR-PE cable, 4 pins loaded |  |
|                                |  | Status: in work<br>Inspector: 30.06.2016 MCARL |  | Blatt/Sheet 1                                |  |
|                                |  | <b>Amphenol-Tuchel Electronics GmbH</b>        |  | M CA 091 60 4400 XXX                         |  |
| 01 201600004                   |  | 30.06.2016 MCARL                               |  | 1 Bl.  |  |
| Index Änderung/Description     |  | Datum/Date Name                                |  | Ers. f. / Replacement for:                   |  |

Copying of this document and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of the utility model or design.

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadensersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.