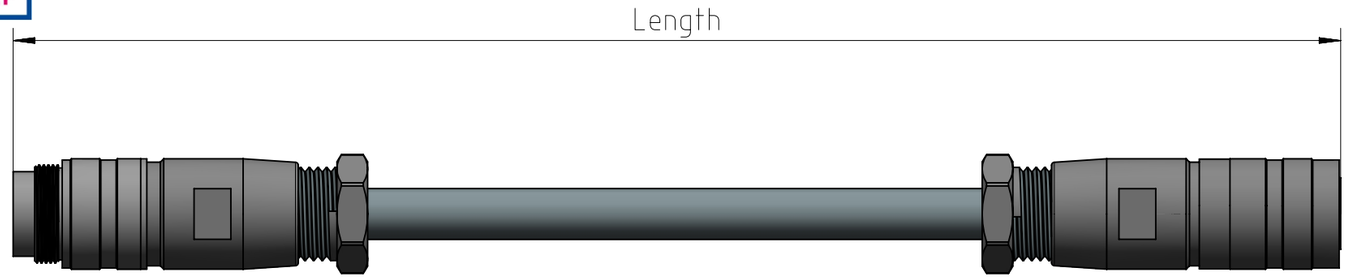
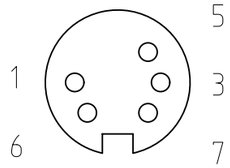
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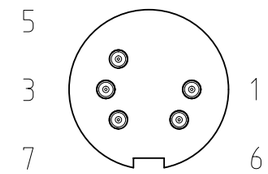

AISG 8-pin female interface
with 5 loaded contacts








AISG 8-pin male interface
with 5 loaded contacts




## Characteristics

| | | |
|---|---|---|
| Connectors | according IEC 61076-2-106 and AISG C485 | |
| Contact plating | Ag | |
| Cable construction | Jacket | FR-PE, OD 7,0mm |
| | 5 conductors | 3x0,75mm² (power)<br>2x0,25mm² 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 |
|---|---|---|---|
| 1 | blue | +12V DC nominal | 1 |
| 3 | white | RS485 B | 3 |
| 5 | brown | RS 485 A | 5 |
| 6 | red | +24V DC nominal | 6 |
| 7 | black | DC return | 7 |

pins 2, 4 and 8 not connected

## Preferred Cable Lenght (other length on request)*

| Part number | length m / ft |
|---|---|
| CA 091 60 4300 950 | 0,5 / 1,6 |
| CA 091 60 4300 001 | 1 / 3,2 |
| CA 091 60 4300 002 | 2 /6,6 |
| CA 091 60 4300 003 | 3 / 9,8 |
| CA 091 60 4300 004 | 4 / 13,1 |
| CA 091 60 4300 005 | 5 / 16,4 |
| CA 091 60 4300 007 | 7 / 23,0 |
| CA 091 60 4300 010 | 10 / 32,8 |
| CA 091 60 4300 015 | 15 / 49,2 |
| CA 091 60 4300 020 | 20 / 65,6 |
| CA 091 60 4300 050 | 50 / 164 |
| CA 091 60 4300 100 | 100 / 328 |

## * order other length

| Cable Style and length | Definition of length | Example |
|---|---|---|
| CA 091 60 4300 XXX | XXX = Length in meters | CA 091 60 4300 005 (length = 5 meters) |

| | | | |
|---|---|---|---|
| 01 | 201600004 | 30.06.2016 | MCARL |
| Index | Änderung/ *Description* | Datum/ *Date* | Name |

Gewicht (errechnet) / *Calc WT* :
Prüfmaß / *Testdimension*
Teileindex
*Partindexnumber*

Zul. Abw./ *Tolerances* :
DIN / ISO 13715

| | Datum/ *Date* | Name |
|---|---|---|
| Gez. *Drawn* | 30.06.2016 | MCARL |

Status: in work
Inspector: 30.06.2016 MCARL

**Amphenol-Tuchel Electronics GmbH**

Maßstab / *Scale* : A3

# CUSTOMER DRAWING

Cable assembly
*FR-PE cable, 5 pins loaded*

M CA 091 60 4300 XXX

Blatt/ *Sheet* 1 / 1 Bl.

Ers. f. / *Replacement for* :

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