

|   |   |   |   |   |   |   |      |             |
|---|---|---|---|---|---|---|------|-------------|
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7    | 8           |
|   |   |   |   |   |   |   | Rev. | DESCRIPTION |
| F |   |   |   |   |   |   |      |             |
| E |   |   |   |   |   |   |      |             |
| D |   |   |   |   |   |   |      |             |
| C |   |   |   |   |   |   |      |             |
| B |   |   |   |   |   |   |      |             |
| A |   |   |   |   |   |   |      |             |

Material Specification:

- \* Connector: Nylon+GF, Black.
- \* Pins: Copper Alloy, Gold Plated.
- \* Seal & O-Ring: Silicone, Gray.
- \* UL Rated: UL 94V-0, fl.
- \* RoHS Compliant.

Electrical Specification:

- \* Contact Resistance: 10mΩ Max.
- \* Insulation Resistance: 100MΩ Min.
- \* Dielectric Withstand Voltage: 1,600 Vac.

Mechanical Specification:

- \* Durability: 1000 Cycles.
- \* Tensile strength: 10 kgf.
- \* Wire Conductor:
  - 5A: 22AWG~20AWG
- \* Wire Insulation OD:
  - 5A: 1.9mm Max.
- \* Torque Force for Clamp Ring: 6~8 kgf-cm
- \* Torque Force for Seal Nut: 6~8 kgf-cm

Environmental Specification:

- \* Waterproof Rating: IP67(Mated)
- \* Temperature Range: -40°C to 105°C.
- \* Salt Spray: Mated, 1000 Hours.
- \* Safety Compliance: UL 1977.

Seal Nut

Seal

Clamp Ring

Pin

O-Ring

Connector

65.0

20.0

Pin Arrangement

|           |  |       |                                                     |         |     |                    |          |    |      |          |                   |             |       |      |            |
|-----------|--|-------|-----------------------------------------------------|---------|-----|--------------------|----------|----|------|----------|-------------------|-------------|-------|------|------------|
| UNIT:mm   |  | TITLE | Circulae C-Size Field Installable Cable Type M Conn |         |     | ITEM NO            | DRAWN BY |    | DATE |          |                   |             |       |      |            |
| TOLERANCE |  | SCALE | 8:5                                                 | SIZE    | A4  | SHEET              | 1        | OF | 2    | DWG NO   | ACD-XXBMXC-LL7XXX | CHECKED BY  | Mafei | DATE | 2018-12-15 |
| ±0.5 mm   |  | REV.  | A                                                   | WC-REV. | A.3 | QC:Inspection item |          |    |      | CUSTOMER | ALTW              | APPROVED BY | Jerry | DATE | 2018-12-15 |

# Amphenol LTW

安費諾亮泰企業股份有限公司

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W10814-03-2001A2

# Ordering Information:

ACD-XXBMXC-LL7XXX

0: For Data  
P: For Power

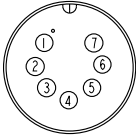
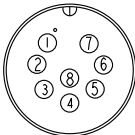
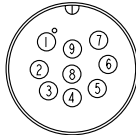
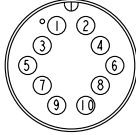
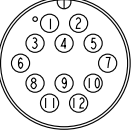
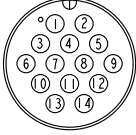
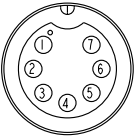
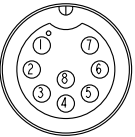
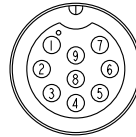
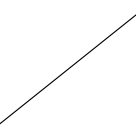
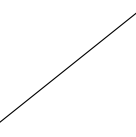
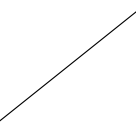
P: With Pin  
N: With Out Pin

Number of Contacts

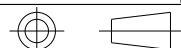
A: With Red&Yellow&Blue Color Seal  
S: With Red Color Seal, Cable OD 6.0~8.0mm.  
M: With Yellow Color Seal, Cable OD 8.0~10.0mm.  
L: With Blue Color Seal, Cable OD 10.0~12.0mm.

Contacts Gendor

M: Male Pin  
F: Female Pin

| Pin Assignments Front View | 5A ;<br>7 Contacts(07)                                                              | 5A ;<br>8 Contacts(08)                                                              | 5A ;<br>9 Contacts(09)                                                              | 5A ;<br>10 Contacts(10)                                                             | 5A ;<br>12 Contacts(12)                                                               | 5A ;<br>14 Contacts(14)                                                               |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Male Pin                   |  |  |  |  |  |  |
| Female Pin                 |  |  |  |  |  |  |

UNIT:mm



TITLE  
Circular C-Size Field Installable  
Cable Type M Conn

TOLERANCE

±0.5 mm

SCALE  
8:5

SIZE  
A4

SHEET  
2 OF 2

REV.  
A

WC-REV.  
A.3

QC: Inspection item

**Amphenol LTW**  
安費諾亮泰企業股份有限公司

|                   |             |            |
|-------------------|-------------|------------|
| ITEM NO           | DRAWN BY    | DATE       |
|                   | Peng        | 2018-12-15 |
| DWG NO            | CHECKED BY  | DATE       |
| ACD-XXBMXC-LL7XXX | Mafei       | 2018-12-15 |
| CUSTOMER          | APPROVED BY | DATE       |
| ALTW              | Jerry       | 2018-12-15 |

# Mouser Electronics

Authorized Distributor

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