

Technical drawing of the MC-05BFFM-SL8000 antenna. The side view shows a cable (2) connected to the antenna body (1). The antenna body has a length of  $\text{QC} L(\text{mm})$  and a diameter of  $\phi 7.0$ . The antenna body is connected to a base with a length of  $\text{QC} 43.3$  and a diameter of  $\phi 14.5$ . The base is labeled "Amphenol" and has a warning symbol (a triangle with an exclamation mark). The top view shows the antenna body (1) and the connector (Conn.).

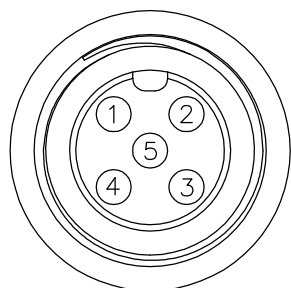


XX:01~99Meters  
01:01Meter  
02:02Meters  
 :  
 :  
 99:99Meters

Cable Length(L):01~99Meters

Note:

- \* **QC** Important Dimension.
- \* Waterproof Rate: IP68  
IP68: 1M Depth Of Water In 24hours
- \* Connector: Polyurethane (PU), Black
- \* Female Pin: Copper Alloy, Gold Plated
- \* Cable: (22AWG\*1P+Al)+(18AWG\*1P+Al)+Drain  
+Al.Mylar+Braid, OD=7.0mm, Black
- \* Cable Length Tolerance: 1M:±40mm  
02M~05M:±60mm  
06M~10M:±100mm  
11M~30M:±200mm  
31M~99M:±500mm



## Pin Assignments

### Front View

|       |            |    |         |             |
|-------|------------|----|---------|-------------|
| 5     | Blue       | 藍  | (22AWG) | Twist<br>對線 |
| 4     | White      | 白  | (22AWG) |             |
| 3     | Black      | 黑  | (18AWG) | Twist<br>對線 |
| 2     | Red        | 紅  | (18AWG) |             |
| 1     | Drain      | 地線 | (22AWG) |             |
| Conn. | Wire Color |    |         |             |
|       | Pin Out    |    |         |             |

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| UNIT:mm   |  |
| TOLERANCE |                                                                                     |
| ±0.5 mm   |                                                                                     |

|       |   |                                                |              |
|-------|---|------------------------------------------------|--------------|
| TITLE |   | M12 Conn NMEA<br>Cable Screw 5Pin F Conn F Pin |              |
| SCALE |   | Free                                           | SHEET 1 OF 1 |
| REV.  | C | SIZE                                           | A4           |
|       |   | QC : Inspection Item                           |              |

# Amphenol LTW

## 安費諾亮泰企業股份有限公司

|                            |                     |                    |
|----------------------------|---------------------|--------------------|
| ITEM NO                    | DRAWN BY<br>Vicky   | DATE<br>2016/06/22 |
| DWG NO<br>MC-05BFFM-SL8BXX | CHECKED BY<br>Rita  | DATE<br>2016/06/22 |
| CUSTOMER<br>ALTW           | APPROVED BY<br>Lisa | DATE<br>2016/06/22 |

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