

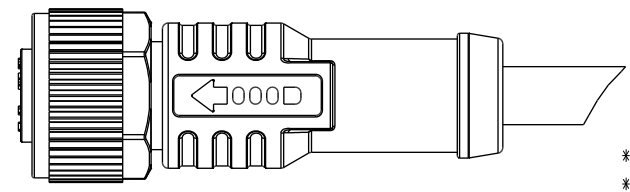
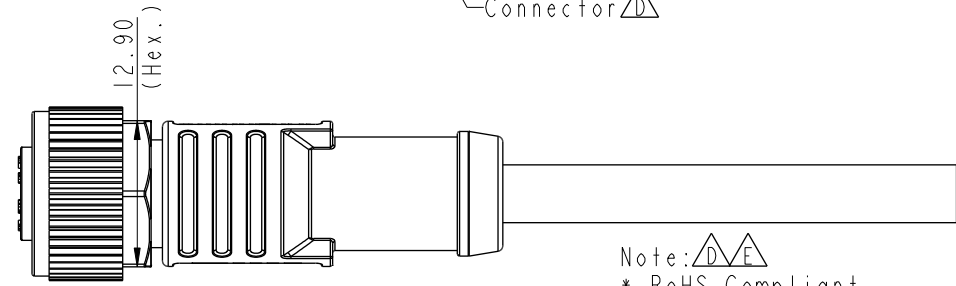
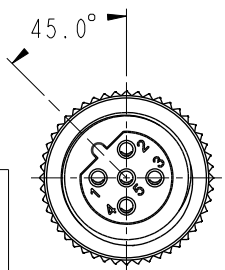
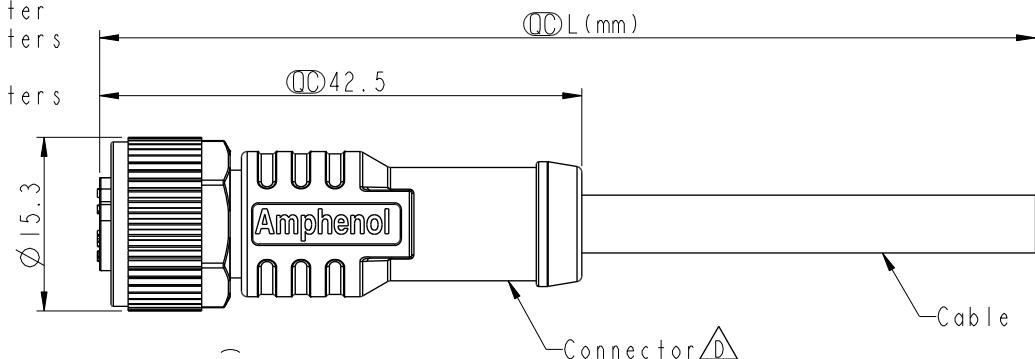
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| REV. | ECN NO. | DATE       | SIGN | DESCRIPTION                  |
|------|---------|------------|------|------------------------------|
| C    | C190180 | 2019/01/21 | Ruru | Modify The Waterproof Rating |
| D    | C201470 | 2020/10/05 | Ruru | $\triangle D$ X4             |
| E    | C210211 | 2021/03/18 | Ruru | $\triangle E$ X2             |

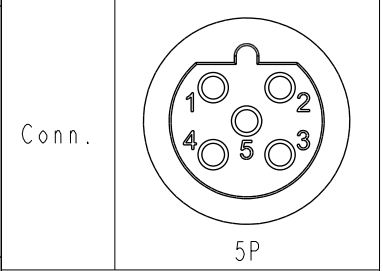
$\triangle C$   $\triangle D$   
MSBP-XXBFFM-SL8BXX

XX: No. Of Pin

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



| Pin Out | Color | Color |
|---------|-------|-------|
| 5       | Gray  | 灰     |
| 4       | Black | 黑     |
| 3       | Blue  | 藍     |
| 2       | White | 白     |
| 1       | Brown | 棕     |



- Note:  $\triangle D$   $\triangle E$
- \* RoHS Compliant
  - \*  $\circ$  Important dimension
  - \*  $\triangle$  Waterproof rate: IPX8, mated 1m/24h  
IPX9K, mated
  - \* Connector
    - Housing: Thermoplastic, Black
    - Pin: Copper alloy, Gold plated
    - O-Ring: Rubber, Green
    - Nut: Thermoplastic, Black
    - Outer mold: Thermoplastic, Black
  - \* Cable: UL20549, 22#\*5C, OD=4.4mm, PUR Jacket, Black
  - \* Cable length tolerance:
    - 1M < L ≤ 3M: +100/-0 mm
    - 3M < L ≤ 5M: +150/-0 mm
    - 5M < L ≤ 10M: ±100 mm
    - 10M < L ≤ 20M: ±200 mm
    - 20M < L ≤ 30M: ±300 mm
    - 30M < L ≤ 99M: ±500 mm

Pin Assignments Front View

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

|  |                |                           |  |
|--|----------------|---------------------------|--|
| TITLE<br>N SEN, M12 B -PLASTIC, SCREW<br>CABLE W/O SR, F, F, MOLDING $\triangle E$ |                |                           |  |
| SCALE<br>1:1   | SIZE<br>A4     | SHEET<br>1 OF<br>1        |  |
| REV.<br>E  | WC-REV.<br>A.2 | $\circ$ : Inspection item |  |

**Amphenol LTW**  
安費諾亮泰企業股份有限公司

|  |                    |                    |
|--|--------------------|--------------------|
| ITEM NO                                  | DRAWN BY<br>Ruru   | DATE<br>2019-01-21 |
| DWG NO<br>$\triangle$ MSBP-XXBFFM-SL8BXX | CHECKED BY<br>Rita | DATE<br>2019-01-21 |
| CUSTOMER<br>ALTW                         | APPROVED BY<br>Max | DATE<br>2019-01-21 |