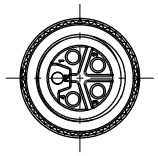
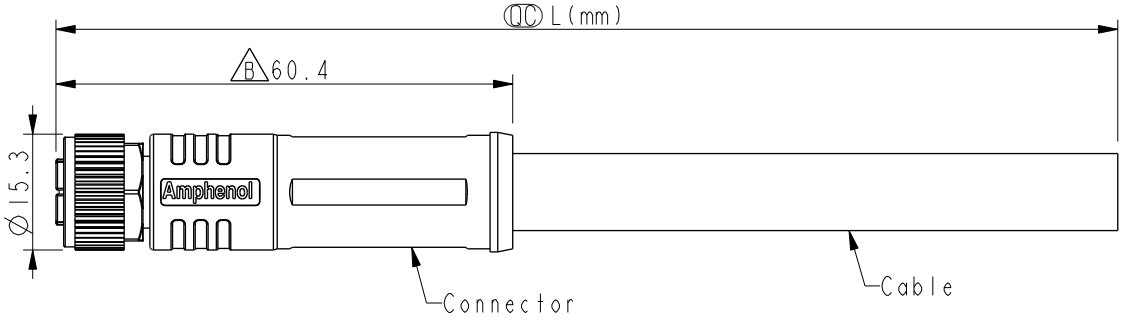
Contacts	Cable OD	AWG	Item No.
5P(4+FE)	10.2	14	M12L-05BFDM-SL8HXX
4P(3+FE)	TBD		M12L-04BFDM-SL8HXX
3P(2+FE)	TBD		M12L-03BFDM-SL8HXX

REV.	ECN NO.	DATE	SIGN	DESCRIPTION
A		2024/10/15	Kyle Huang	Rev 01 to A
B	C251505	2025/11/18	Vicky	△B X1



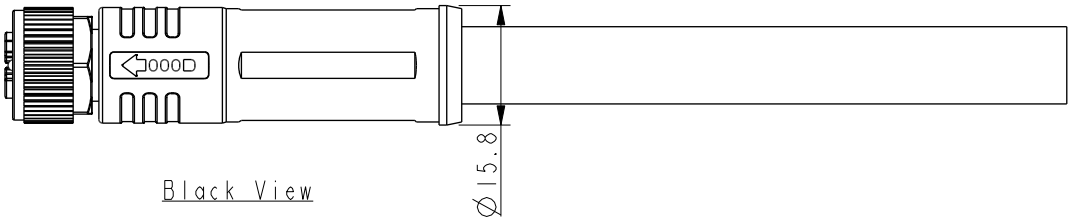
Conn.



M12L-XXBFDM-SL8HXX

XX: No. Of Pin

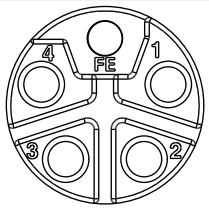
XX: 01~99Meters
01: 01Meter
02: 02Meters
⋮
99: 99Meters



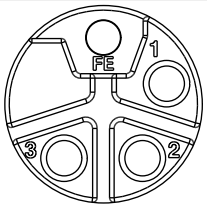
Black View

Pin Out	4	Black	黑	4	--	-	4	--	-
	3	Blue	藍	3	Blue	藍	3	Blue	藍
	2	White	白	2	White	白	2	White	白
	1	Brown	棕	1	Brown	棕	1	--	-
	FE	Gray	灰	FE	Gray	灰	FE	Gray	灰
	Pin #	Wire		Pin #	Wire		Pin #	Wire	

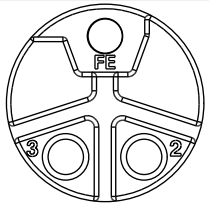
Conn.



5P(4+FE)



4P(3+FE)



3P(2+FE)

Pin Assignments Front View

Note:
* RoHS Compliant
* QC Important dimension
* Waterproof rate: IP68, mated 1m/24h
  IP69K, mated
* Connector:
  Housing: Thermoplastic, Black
  Pin: Copper alloy, Gold plated
  O-Ring: Rubber, Gray
  Nut: Metal
  Outer mold: Thermoplastic, Black
* Cable: UL20233, TPU Jacket, Black
* Cable length tolerance: 0.5M < L ≦ 1M: +60/-0 mm
  1M < L ≦ 3M: +120/-0 mm
  3M < L ≦ 5M: +160/-0 mm
  5M < L ≦ 10M: ±100 mm
  10M < L ≦ 20M: ±200 mm
  20M < L ≦ 30M: ±300 mm
  30M < L ≦ 99M: ±500 mm

UNIT: mm

TOLERANCE ±0.5mm

TITLE	N SEN, M12 L, SCREW CABLE W/O SR, F, F+M G, MOLDING
SCALE	1:1
SIZE	A4
SHEET	1 OF 1
REV.	B
WC-REV.	A.6
QC: Inspection item	

Amphenol LTW
安費諾亮泰企業股份有限公司

ITEM NO		DRAWN BY Vicky	DATE 2025-11-18
DWG NO M12L-XXBFDM-SL8HXX		CHECKED BY Ruru	DATE 2025-11-18
CUSTOMER ALTW		APPROVED BY Rita	DATE 2025-11-18

W10814-03-RW01A2

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