

ORDERING CODE: **MRU-AFE1-61XX**

SERIES

USB TYPE

A=24mm SIZE USB 2.0 TYPE A

CONNECTOR TYPE

F=RECEPTACLE

MOUNTING FEATURE

E=BAYONET LOCK - PANEL MOUNT WITH NUT

CABLE LENGTH

XX=SEE TABLE 1 & NOTE 5

COVER OPTIONS

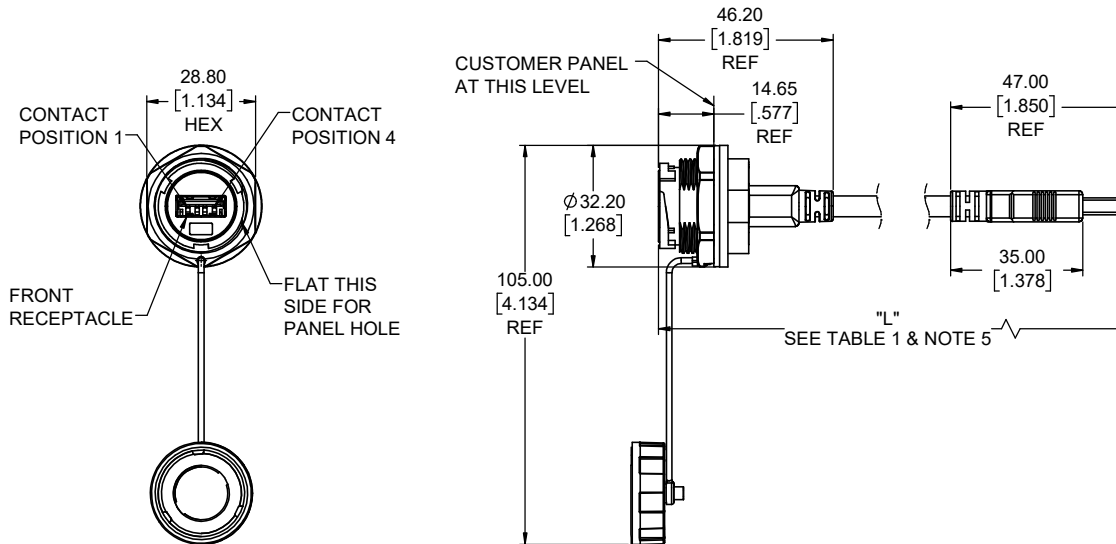
1=WITH DUST COVER

TERMINATION TYPE

6=CABLE TO USB 2.0 TYPE A PLUG

PLATING

1=GOLD PLATED ON MATING AREA



NOTES:

- ALL MATERIALS TO BE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
 - FRONT HOUSING & HEX NUT & DUST COVER: THERMOPLASTIC PBT, UL FLAMMABILITY RATING 94V-0, BLACK
 - USB HOUSING: THERMOPLASTIC PBT, UL FLAMMABILITY RATING 94V-0, WHITE
 - USB CONTACT: COPPER ALLOY PLATED WITH GOLD OVER NICKEL
 - USB SHIELD: STEEL ALLOY PLATED WITH NICKEL
 - GASKET: SILICONE RUBBER, BLACK
 - OVER-MOLDING: PVC-BLACK
 - CABLE: AWM 2025 28AWG/1P+24AWG/2C 80 °C 30V VW-1 USB2.0
- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING: 0.5A
 - CONTACT RESISTANCE: 30mΩ MAX
- RECOMMENDED PANEL THICKNESS: 2.0 (.079) TO 3.0 (.118)
- ENVIRONMENTAL PROTECTION: IP67 PER IEC 60529 IN MATED CONDITION
- CABLE LENGTH TOLERANCE: +0.035/-0m FOR LENGTH UP TO 0.3m, +0.05/-0m FOR LENGTH >0.3 TO 1.5m, +0.10/-0m FOR LENGTH >1.5 TO 3m AND +0.15/-0m FOR LENGTH >3 TO 5m.

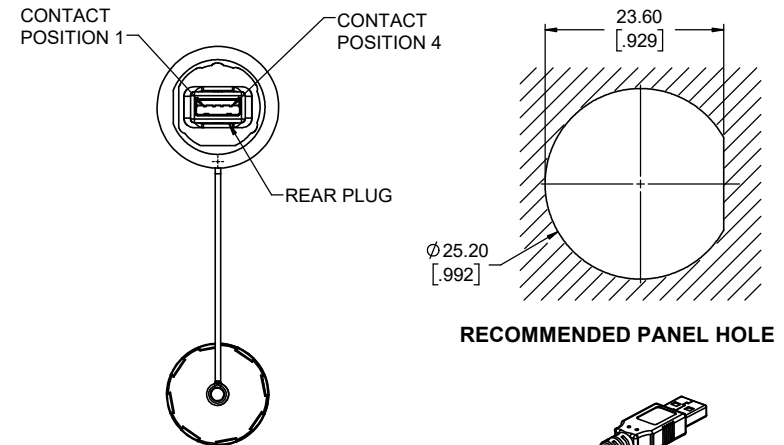


TABLE 1: XX DEFINITION & "LENGTH" DIMENSION

FOR LENGTHS LESS THAN 1 METER, PART NUMBER CODE XX IS 20 TO 99 & "LENGTH" DIMENSION IS FROM 20 TO 99cm (200 TO 990mm). SEE NOTE 5 FOR TOLERANCE

FOR LENGTHS 1 METER AND LONGER UP TO A MAXIMUM OF 5 METERS

FIRST DIGIT OF XX			SECOND DIGIT OF XX		
CODE	LENGTH		CODE	LENGTH ADDITION	
	METERS	MILLIMETERS		METERS	MILLIMETERS
A	1.0	1000	0	0	0
B	2.0	2000	1	0.1	100
C	3.0	3000	2	0.2	200
D	4.0	4000	3	0.3	300
E	5.0	5000	4	0.4	400
-	-	-	5	0.5	500
-	-	-	6	0.6	600
-	-	-	7	0.7	700
-	-	-	8	0.8	800
-	-	-	9	0.9	900

WHEN FIRST DIGIT IS "E", SECOND DIGIT MUST BE "0"

FRONT RECEPTACLE TO REAR PLUG CONNECTION CHART

FRONT RECEPTACLE POSITION #	REAR PLUG POSITION #
1	1
2	2
3	3
4	4
SHELL	SHELL



UNLESS SPECIFIED OTHERWISE	DRAWN	ED.LIU	DEC15/23
PRIMARY UNITS MILLIMETERS	CHECKED	E.QU	DEC18/23
SECONDARY UNITS INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	O.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	K.LAMBIE	DEC22/23
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.25	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

Amphenol Canada Corp.
Commercial Products

MRU SERIES RUGGED CABLE ASSEMBLY, USB 2.0 TYPE A PANEL MOUNT RECEPTACLE, BAYONET LOCK, RECEPTACLE TO PLUG, IP67 RATING, RoHS COMPLIANT

P-MRU-AFE1-61XX

CODE ID NO. 03554 DWG SIZE: X SCALE: 1:1 SHEET 1 OF 1