

ORDERING CODE: M R U - B M 6 1 - 8 0 X X

SERIES _____

USB TYPE _____
B=24mm SIZE USB 3.0 TYPE A

CONNECTOR TYPE _____
M=PLUG

MOUNTING FEATURE _____
6=BAYONET LOCK, WITH OVER-MOULDED CABLE

CABLE LENGTH _____
XX=SEE TABLE 1 & NOTE 4

COVER OPTIONS _____
0=NO DUST COVER

TERMINATION TYPE _____
8=CABLE TO USB 3.0 TYPE A PLUG WITH BAYONET LOCK

PLATING _____
1=GOLD PLATED ON MATING AREA

NOTES:

- ALL MATERIALS TO BE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
BAYONET LOCK NUT: THERMOPLASTIC PBT, UL FLAMMABILITY RATING 94V-0, BLACK
USB HOUSING: THERMOPLASTIC LCP, UL FLAMMABILITY RATING 94V-0, BLUE
USB CONTACT: COPPER ALLOY PLATED WITH GOLD OVER NICKEL
USB SHIELD: COPPER ALLOY PLATED WITH NICKEL
GASKET: SILICONE RUBBER
OVER-MOLDING: PVC, BLACK
CABLE: USB 3.0 CABLE AWM 20276 80 °C 30V VW-1
- ELECTRICAL CHARACTERISTICS:
CURRENT RATING: 0.9A MAX. FOR POSITIONS 1 TO 4, 0.25A MAX. FOR REMAINING POSITIONS
CONTACT RESISTANCE: 30mΩ MAX. FOR POSITIONS 1 TO 4, 50mΩ MAX. FOR REMAINING POSITIONS
- 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.
- BAYONET LOCK PLUGS MATE WITH AMPHENOL MRU SERIES RECEPTACLES MRU-BFE1-XXXX

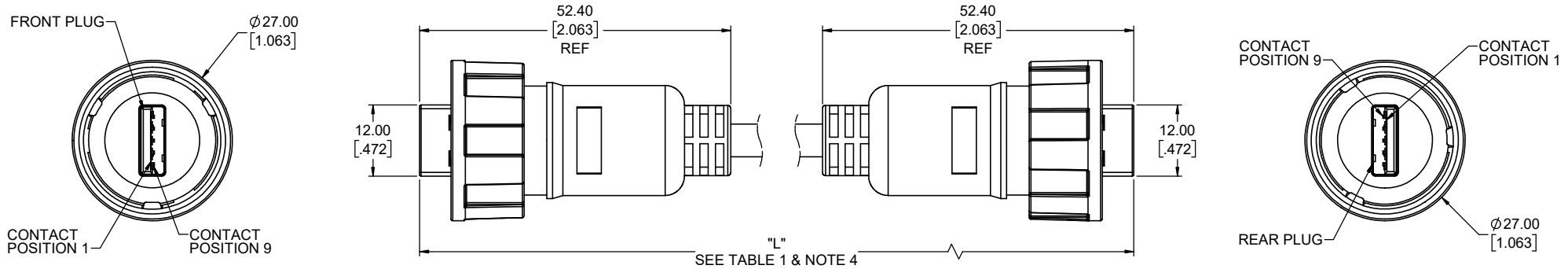


TABLE 1: XX DEFINITION & "LENGTH" DIMENSION

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 4 FOR TOLERANCE

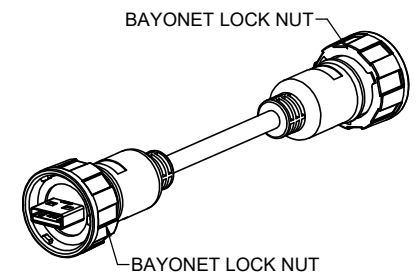
FOR LENGTHS 1 METER AND LONGER UP TO A MAXIMUM OF 5 METERS

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 PLUG TO REAR PLUG CONNECTION CHART

FRONT PLUG POSITION #	REAR PLUG POSITION #
1	1
2	2
3	3
4	4
5	8
6	9
7	7
8	5
9	6
SHELL	SHELL



UNLESS SPECIFIED OTHERWISE	DRAWN	K.XIONG	JUL23/19
PRIMARY UNITS MILLIMETERS	CHECKED	S.MUGAN	JUL23/19
SECONDARY UNITS INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	O.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	JUL23/19
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 3.0 TYPE A PLUG, BAYONET LOCK AT BOTH ENDS, CABLE LENGTH OPTION, IP67 RATING, RoHS COMPLIANT

P-MRU-BM61-80XX

CODE ID NO. 03554 DWG SIZE: X SCALE: 2:1 SHEET 1 OF 1