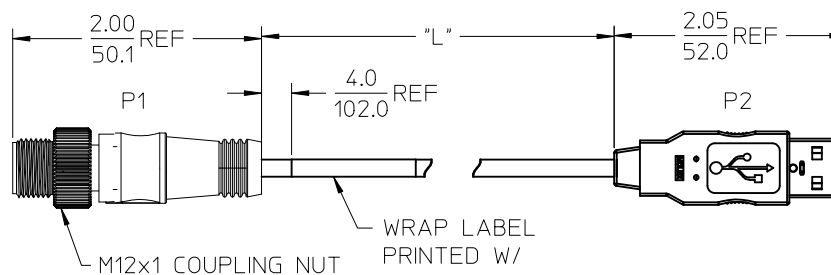


MALE INSERT - 5 POLE  
ENLARGED FRONT VIEW



- WRAP LABEL  
PRINTED W/  
MOLEX/WOODHEAD BRANDING &  
CONNECTOR INFORMATION



USB MALE  
ENLARGED FRONT VIEW

- 1 RED, VBUS  
2 WHITE, D-  
3 GREEN, D+  
4 BLACK, GND

SPECIFICATIONS:

SHIELDED M12 THRU COUPLING NUT  
COUPLING NUT MATERIAL: NICKEL PLATED BRASS  
CONTACT MATERIAL: GOLD/NICKEL OVER COPPER ALLOY  
INSERT MATERIAL: BLACK/PUR  
O-RING: VITON  
OVERMOLD" BLACK TPE

CABLE: USB 2.0 COMPLIANT, TYPE-A MALE  
NOMINAL JACKET OD: 4.70mm  
ELECTRICAL RATING: 30V, -40°C - 105°C, IP67  
CONFORMS TO MOLEX ES-4000-5016 STANDARDS  
ROHS COMPLIANT

CUSTOMER PRODUCTION APPROVAL  
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
MUST BE SIGNED AND RETURNED BEFORE  
PRODUCTION WILL BEGIN.

Diagram of a 5-wire cable with P1 and P2 connectors:

- P1 Pin 1: RED
- P1 Pin 2: WHITE
- P1 Pin 3: GREEN
- P1 Pin 4: NC (No Connection)
- P1 Pin 5: BLACK
- P2 Pin 1: RED
- P2 Pin 2: WHITE
- P2 Pin 3: GREEN
- P2 Pin 4: BLACK
- P2 Pin 5: SHEATH (connected to DRAIN & BRAID)

SPR A201006233

NEW PART	EC NO: WNA2010-0415	DESCRIPTION	QUALITY SYMBOLS  ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
	2010/01/07			2010/01/07		mm	INCH	DRAWN BY B. RUPERT	DATE 12/30/09	TITLE M12-5P-M-STR-USB-M-2.0M SHIELDED
	CHKD-B. WOODMAN					3 PLACES ± ---	± ---	CHECKED BY B. WOODMAN	DATE 12/30/09	
	APPR: JF MURPHY					2 PLACES ± ---	± ---	APPROVED BY JF MURPHY	DATE 2010/01/07	
						1 PLACE ± ---	± ---			
				ANGULAR ±1/2°		MATERIAL NO. 1200661712		DOCUMENT NO. SD-120066-1712		SHEET NO. 1 OF 1
1	REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				