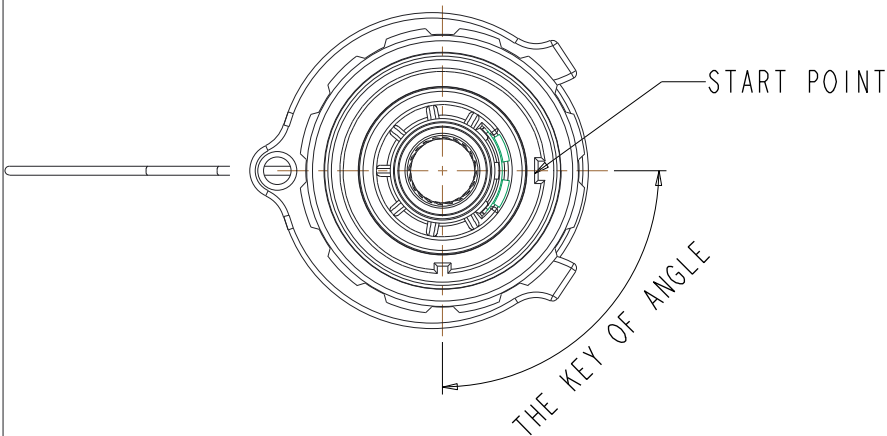
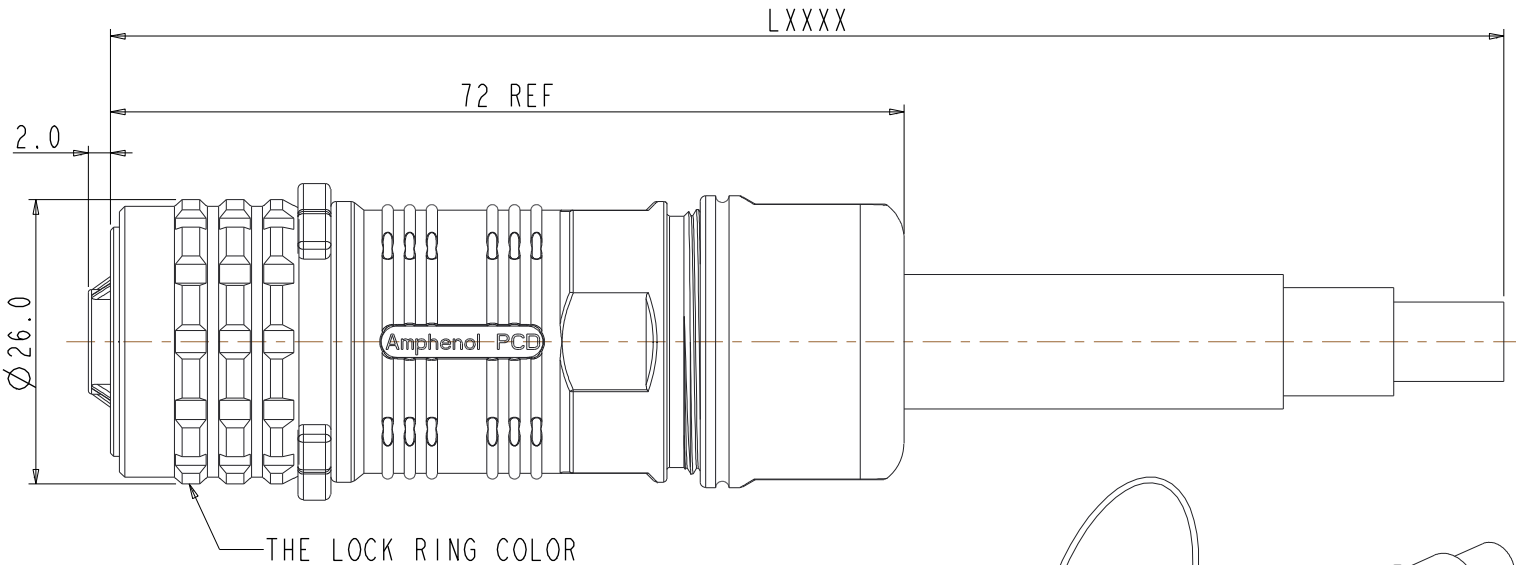


CUSTOMER DRAWING

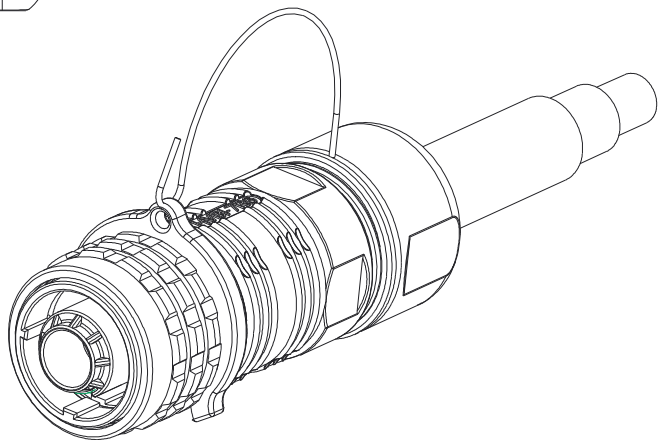
REV	ECN	DESCRIPTION	DATE	MODIFIED
D		UPDATE	2016.06.07	ROY.QU



SCOPE OF CABLE OUTSIDE DIAMETER	
SIZE	OUTSIDE DIAMETER
25MM^2 WITH SHIELD	11.5~13.0 MM
20MM^2 WITH SHIELD	11.0~12.0 MM
16MM^2 WITH SHIELD	10.9~12.0 MM



HVBI-7-02R6-XFCX-XX-FG-XXLXXXX
CABLE SIZE AND LENGTH
COLOR
ANGLE
HVIL CODE: A: WITH HVIL B: WITHOUT HVIL



TECHNICAL DATA	
CURRENT RATE(25MM^2 CABLE)	UP TO 120A
CURRENT RATE(20MM^2 CABLE)	UP TO 100A
CURRENT RATE(16MM^2 CABLE)	UP TO 80A
UL RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1000V DC
OPERATING TEMPERATURE	-40~125°C
DIELECTRIC WITH STANDING VOLTAGE	3000V AC
INSULATION RESISTANCE	2000MΩ MIN. 25°C, NO CABLE
DURABILITY	200 CYCLES
SHIELDING	YES
WATERPROOF(MATED CONDITION)	IP 67
PROTECTION LEVEL	IP2XB
AMBIENT TEMPERATURE	-40~70°C

WIHT HVIL		
P/N	DESCRIPTION	
	KEY OF ANGLE	LOCK RING COLOR
HVBI-702R6-AFCA-RD-FG-25L0000	30°	RED
HVBI-702R6-AFCB-BK-FG-25L0000	60°	BLACK
HVBI-702R6-AFCC-YL-FG-25L0000	90°	YELLOW
HVBI-702R6-AFCD-GR-FG-25L0000	120°	GREEN
HVBI-702R6-AFCE-BL-FG-25L0000	150°	BLUE
HVBI-702R6-AFCF-PU-FG-25L0000	180°	PURPLE

WIHTOUT HVIL		
P/N	DESCRIPTION	
	KEY OF ANGLE	LOCK RING COLOR
HVBI-702R6-BFCA-RD-FG-25L0000	30°	RED
HVBI-702R6-BFCB-BK-FG-25L0000	60°	BLACK
HVBI-702R6-BFCC-YL-FG-25L0000	90°	YELLOW
HVBI-702R6-BFCD-GR-FG-25L0000	120°	GREEN
HVBI-702R6-BFCE-BL-FG-25L0000	150°	BLUE
HVBI-702R6-BFCF-PU-FG-25L0000	180°	PURPLE

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol Pcd Shenzhen		TITLE				
ANSI Y14.5M	.X ±0.3				HVBI-7R6 PLUG				
UNITS: MM	.XX ±0.10								
Pro/E FILE	ANGLES ±0.5°		ENGR ROY.QU 2016.06.07						
ORIGINAL NOT FOR CUSTOMER DISTRIBUTION	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF AMPHENOL PCD SHENZHEN	CHKD		SIZE	DWG NO.		REV		
		APPD		A3		HVBI-7-02R6-XFCX-XX-FGXXLXXXX		D	
				CODE: 58982		SCALE: 2:1		SHEET 1 OF 1	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[HVBI702R6AFCARDFG25L0000](#)