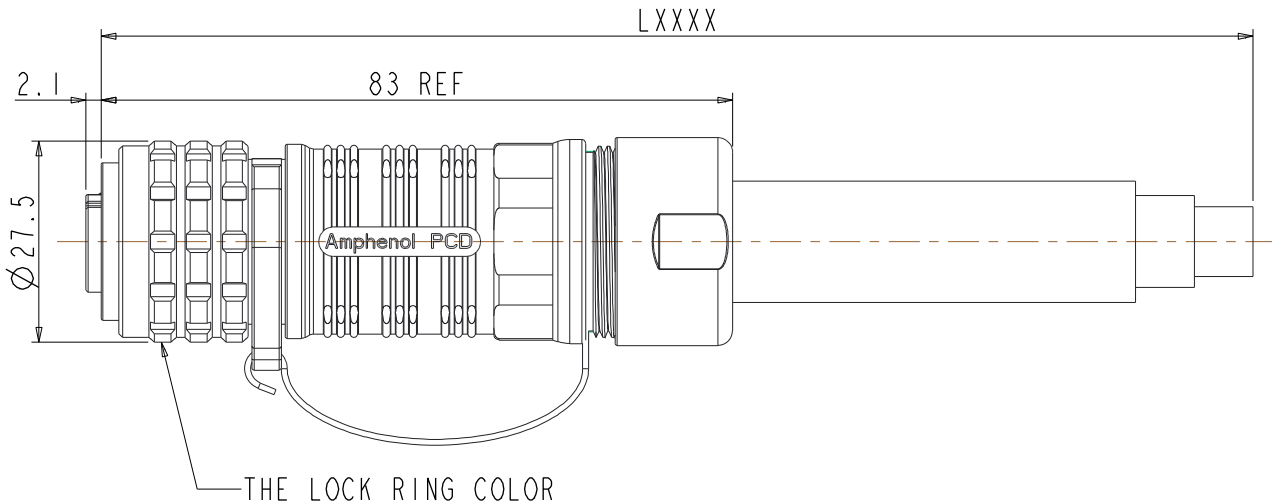
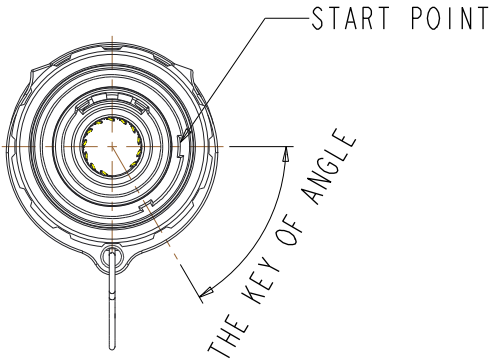


HVBI-7-03R8-XFCX-XX-FGXXLXXXX

CUSTOMER DRAWING



| REV | ECN | DESCRIPTION | DATE       | MODIFIED |
|-----|-----|-------------|------------|----------|
| 3   |     | PRE-RELEASE | 2016.06.08 | ROY.QU   |

HVBI-7-03R8-XFCX-XX-FG-XXLXXXX

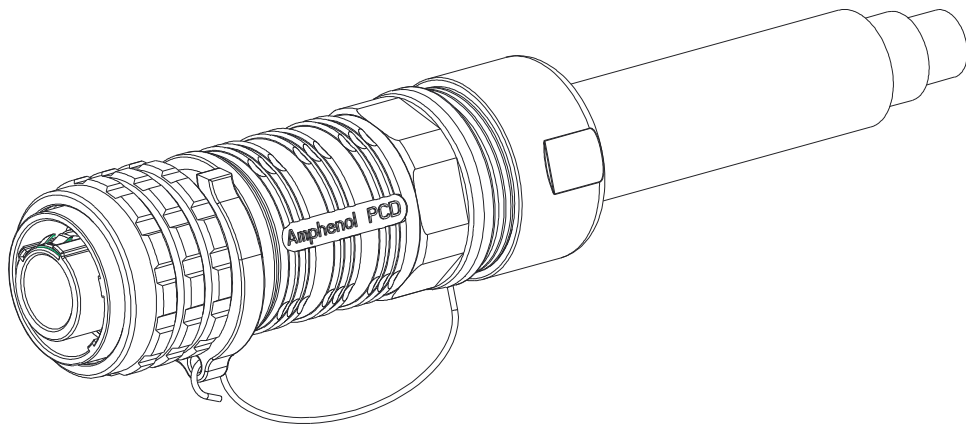
CABLE SIZE AND LENGTH

COLOR

ANGLE

HVIL CODE:  
A:WITH HVIL  
B:WITHOUT HVIL

| SCOPE OF CABLE OUTSIDE DIAMETER |                  |
|---------------------------------|------------------|
| SIZE                            | OUTSIDE DIAMETER |
| 50MM^2 WITH SHIELD              | 16.0~17.5 MM     |
| 35MM^2 WITH SHIELD              | 13.5~15.2 MM     |



| WIHT HVIL                     |              |                 |
|-------------------------------|--------------|-----------------|
| P/N                           | DESCRIPTION  |                 |
|                               | KEY OF ANGLE | LOCK RING COLOR |
| HVBI-703R8-AFCA-RD-FG-50L0000 | 30°          | RED             |
| HVBI-703R8-AFCB-BK-FG-50L0000 | 60°          | BLACK           |
| HVBI-703R8-AFCC-YL-FG-50L0000 | 90°          | YELLOW          |
| HVBI-703R8-AFCD-GR-FG-50L0000 | 120°         | GREEN           |
| HVBI-703R8-AFCE-BL-FG-50L0000 | 150°         | BLUE            |
| HVBI-703R8-AFCF-PU-FG-50L0000 | 180°         | PURPLE          |

| WIHTOUT HVIL                  |              |                 |
|-------------------------------|--------------|-----------------|
| P/N                           | DESCRIPTION  |                 |
|                               | KEY OF ANGLE | LOCK RING COLOR |
| HVBI-703R8-BFCA-RD-FG-50L0000 | 30°          | RED             |
| HVBI-703R8-BFCB-BK-FG-50L0000 | 60°          | BLACK           |
| HVBI-703R8-BFCC-YL-FG-50L0000 | 90°          | YELLOW          |
| HVBI-703R8-BFCD-GR-FG-50L0000 | 120°         | GREEN           |
| HVBI-703R8-BFCE-BL-FG-50L0000 | 150°         | BLUE            |
| HVBI-703R8-BFCF-PU-FG-50L0000 | 180°         | PURPLE          |

| TECHNICAL DATA                                                       |                               |
|----------------------------------------------------------------------|-------------------------------|
| CURRENT RATE(50MM^2 CABLE)                                           | UP TO 180A                    |
| CURRENT RATE(35MM^2 CABLE)                                           | UP TO 150A                    |
| UL RATING VOLTAGE<br>(OVERVOLTAGE CATEGORY II<br>POLLUTION DEGREE 2) | 1000V DC                      |
| OPERATING TEMPERATURE                                                | -40~125°C                     |
| DIELECTRIC WITHSTANDING VOLTAGE                                      | 3000V AC                      |
| INSULATION RESISTANCE                                                | 2000MΩ MIN.<br>25°C, NO CABLE |
| DURABILITY                                                           | 200 CYCLES                    |
| SHIELDING                                                            | YES                           |
| WATERPRROF(MATED CONDITION)                                          | IP 67                         |
| PROTECTION LEVEL                                                     | IP2XB                         |
| AMBIENT TEMPERATURE                                                  | -40~70°C                      |

|                                                 |                                                                                                                     |            |                       |        |               |             |         |                               |     |              |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------|-----------------------|--------|---------------|-------------|---------|-------------------------------|-----|--------------|
| DIMENSIONS                                      | TOLERANCES                                                                                                          | PROJECTION | Amphenol Pcd Shenzhen |        | HVBI-7R8 PLUG |             |         |                               |     |              |
| ANSI Y14.5M                                     | .X ±0.3                                                                                                             |            |                       |        |               |             |         |                               |     |              |
| UNITS: MM                                       | .XX ±0.20                                                                                                           |            |                       |        |               |             |         |                               |     |              |
| Pro/E FILE                                      | ANGLES ±0.5°                                                                                                        |            |                       |        |               |             |         |                               |     |              |
|                                                 |                                                                                                                     |            | ENGR                  | ROY.QU | 2016.06.08    |             |         |                               |     |              |
| ORIGINAL<br>NOT FOR<br>CUSTOMER<br>DISTRIBUTION | THIS DOCUMENT CONTAINS<br>PROPRIETARY INFORMATION WHICH<br>IS THE CONFIDENTIAL PROPERTY<br>OF AMPHENOL PCD SHENZHEN |            | CHKD                  |        |               | SIZE        | DWG NO. |                               | REV |              |
|                                                 |                                                                                                                     |            | APPD                  |        |               | A3          |         | HVBI-7-03R8-XFCX-XX-FGXXLXXXX |     | 3            |
|                                                 |                                                                                                                     |            |                       |        |               | CODE: 58982 |         | SCALE: 2:1                    |     | SHEET 1 OF 1 |

HVBI-7-03R8-XFCX-XX-FGXXLXXXX

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