

MALE INSERT FRONT VIEW

The diagram shows a circular front view of a male insert. It features four small circular holes arranged in a square pattern. Surrounding these holes are several concentric circles. A vertical centerline and a horizontal centerline intersect at the center of the circles. Four leader lines with numbers 1 through 4 point to specific concentric circles: 1 points to the innermost circle, 2 points to the circle immediately outside it, 3 points to the circle immediately outside that, and 4 points to the outermost circle. A small rectangular feature is located at the top of the innermost circle.

1-BLACK
2-WHITE
3-RED
4-GREEN/YELLOW

Top view of the connector. It shows four pins arranged in a square pattern. A central feature is labeled with a circled '5'. A dimension line indicates a diameter of $\varnothing 1.00$ [25.4] TYP. A circled '6' points to one of the pins.

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
 - VOLTAGE: 483V PER IEC60664 (D)
600V PER UL2237
 - CURRENT: 15A
4. TEMP RATING: -20°TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: 7/8"-16UN
6. UL LISTED FILE: E258922
7. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

Technical drawing of a double-ended connector assembly. The drawing shows a central shaft with various components and dimensions. Key dimensions include:

- FINISHED LENGTH:** The total length of the assembly.
- 2.23 [58.2]:** Dimension from the left end to the start of the central shaft.
- .25 [6.4]:** Dimension from the start of the central shaft to the first "WARNING" label.
- .25 [6.4]:** Dimension from the first "WARNING" label to the start of the central shaft.
- .25 [6.4]:** Dimension from the start of the central shaft to the second "WARNING" label.
- .25 [6.4]:** Dimension from the second "WARNING" label to the end of the central shaft.
- 2.26 [57.4]:** Dimension from the end of the central shaft to the right end.

Callouts and labels include:

- P1:** Label for the left end of the assembly.
- S2:** Label for the right end of the assembly.
- Ø.59 [14.9]:** Dimension for the central shaft diameter.
- WARNING:** Labels on the central shaft.
- P/N XXXXX:** Label for the part number.
- 1, 2, 8, 9, 10, 11:** Callouts for specific components or features.

WIRING DIAGRAM

FINISHED LENGTH:
M005= 0.5 METER
M010= 1 METER
M100= 10 METER

FEMALE INSERT FRONT VIEW

The diagram shows a circular front view of a female insert. It features four circular holes arranged in a square pattern in the center. Surrounding these holes are four tabs, also arranged in a square pattern. The entire assembly is enclosed within a circular border. Four leader lines with numerical labels point to specific features: 1 points to the top-right tab, 2 points to the bottom-right tab, 3 points to the bottom-left hole, and 4 points to the top-left hole. The diagram is divided into four quadrants by a vertical and a horizontal centerline.

1-BLACK
2-WHITE
3-RED
4-GREEN/YELLOW

Figure 1 is a top view of the circular device. It shows a central square area with four circular openings. Surrounding this is a ring with four rectangular protrusions. The outermost ring has a textured surface. Labels 3, 4, and 7 point to different parts of the device.

CABLE LENGTH TOLERANCES	
<.3M [1FT]:	+19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]:	+44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]:	+55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT]:	+88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]:	+165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]:	+317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]:	+622.3mm-0 [+24.50in-0]
OVER 30M [100FT]	+2% OF FINISHED LENGTH