

FEMALE END VIEW

1	=	WHITE/BLACK
2	=	BLACK/WHITE
3	=	WHITE/GREEN
4	=	GREEN/WHITE
5	=	WHITE/RED
6	=	DRAIN
7	=	RED/WHITE
8	=	WHITE/ORANGE
9	=	ORANGE/WHITE
10	=	WHITE/BLUE
11	=	BLUE/WHITE
12	=	GREEN/YELLOW
13	=	WHITE/BROWN
14	=	BROWN/WHITE
15	=	WHITE/YELLOW
16	=	YELLOW/WHITE
17	=	WHITE/VIOLET
18	=	VIOLET/WHITE
19	=	N/C

 *M23 connector*

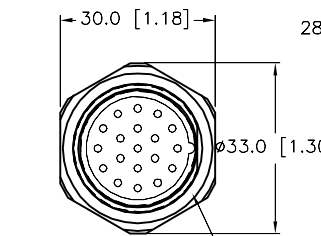


M23 connector

PANEL CUTOUT (TYPICAL)

Diagram illustrating the dimensions for a typical panel cutout:

- BASIC THRU:** Diameter is $\phi 25.0$ [0.98].
- NON-ROTATIONAL THRU:** Diameter is 11.6 [0.46].
- Distance between centers:** 9.3 [0.37] REF.
- Distance from top of non-rotational cutout to center of basic cutout:** 11.6 [0.46].



END VIEW
LOCKNUT NOT SHOWN
FOR CLARITY

O-RING
GROOVE

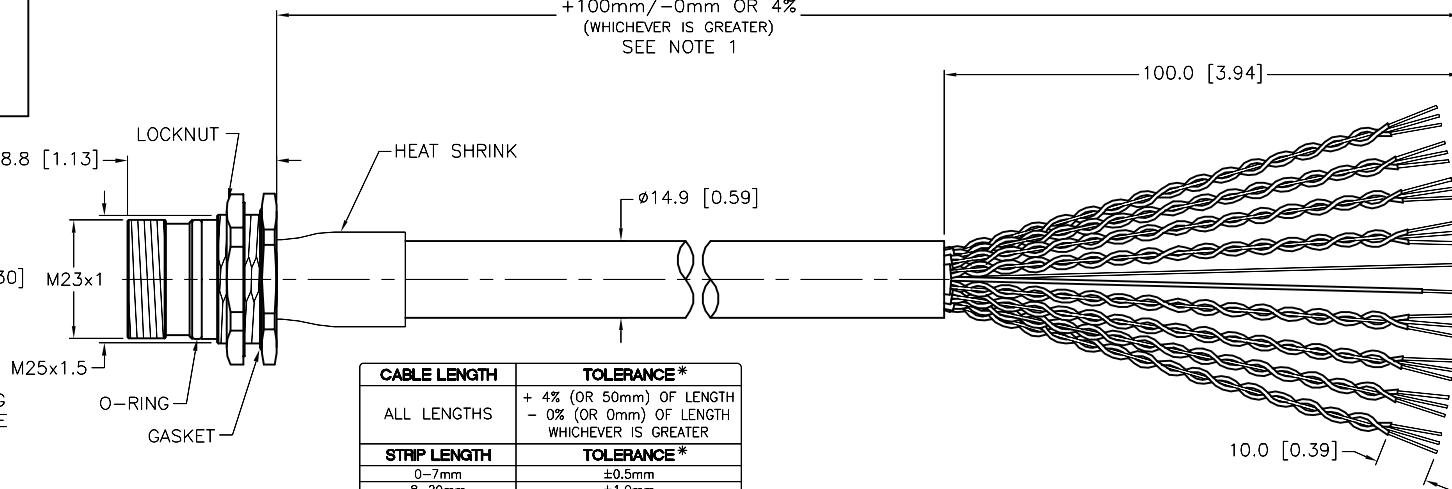
WIRING DIAGRAM

The diagram illustrates the wiring for a 24-pin connector. It features two vertical columns of pins. The left column contains pins 1 through 18, with pins 12 and 6 at the bottom. The right column contains pins 1 through 18, with pins 12 and 6 at the bottom. The wiring is as follows:

- Pin 1 (left) to Pin 1 (right): WH/BK
- Pin 2 (left) to Pin 2 (right): BK/WH
- Pin 3 (left) to Pin 3 (right): DRAIN 1
- Pin 4 (left) to Pin 4 (right): WH/GN
- Pin 5 (left) to Pin 5 (right): GN/WH
- Pin 6 (left) to Pin 6 (right): DRAIN 2
- Pin 7 (left) to Pin 7 (right): WH/RD
- Pin 8 (left) to Pin 8 (right): RD/WH
- Pin 9 (left) to Pin 9 (right): DRAIN 3
- Pin 10 (left) to Pin 10 (right): WH/OG
- Pin 11 (left) to Pin 11 (right): OG/WH
- Pin 12 (left) to Pin 12 (right): DRAIN 4
- Pin 13 (left) to Pin 13 (right): WH/BU
- Pin 14 (left) to Pin 14 (right): BU/WH
- Pin 15 (left) to Pin 15 (right): DRAIN 5
- Pin 16 (left) to Pin 16 (right): WH/BN
- Pin 17 (left) to Pin 17 (right): BN/WH
- Pin 18 (left) to Pin 18 (right): DRAIN 6
- Pin 19 (left) to Pin 19 (right): WH/YE
- Pin 20 (left) to Pin 20 (right): YE/WH
- Pin 21 (left) to Pin 21 (right): DRAIN 7
- Pin 22 (left) to Pin 22 (right): WH/VT
- Pin 23 (left) to Pin 23 (right): VT/WH
- Pin 24 (left) to Pin 24 (right): DRAIN 8
- Pin 25 (left) to Pin 25 (right): GN/YE
- Pin 26 (left) to Pin 26 (right): DRAIN 9

SPECIFICATIONS	
CONTACT CARRIER MATERIAL	NYLON or PBT
CONTACT MATERIAL/PLATING	BRASS/GOLD
COUPLING NUT MATERIAL/FINISH	STAINLESS STEEL/PASSIVATED
O-RING/GASKET MATERIAL	RUBBER (NBR or FPM)
RATED CURRENT [A]	9.0 A (PIN 12), 2.0 A (ALL OTHERS)
RATED VOLTAGE [V]	150 V
OUTER JACKET MATERIAL/COLOR	PVC/BLACK
CONDUCTOR INSULATION MATERIAL	PVC/NYLON (NYLON OVERCOAT)
NUMBER OF CONDUCTORS [AWG]	16x22 AWG, 1x18 AWG GROUND
DRAIN/SHIELD	9x22 AWG DRAINS/ALUM-POLYESTER FOIL SHIELD
CONDUCTOR ARRANGEMENT	8 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN
TEMPERATURE RANGE	-40°C to +105°C (-40°F to +221°F)
PROTECTION CLASS	MEETS IEC IP67
MAXIMUM PANEL THICKNESS	6.5 [0.256]
CABLE RATINGS	UL: ITC/PLTC, 105C CSA: CIC, 90C, 300V C(UL) C22.2 No 245/1309 Marine Shipboard/IEEE 1580

* METERS
+100mm/-0mm OR 4%
(WHICHEVER IS GREATER)
SEE NOTE 1



CABLE LENGTH	TOLERANCE *
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE *
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-59mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm
* UNLESS OTHERWISE SPECIFIED	

SOURCE DRAWING - FOR REFERENCE ONLY

1. "*" INDICATES CABLE LENGTH IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTHS.

D	UPDATE CABLE RATINGS	RDS	03/11/15	48926
REV	DESCRIPTION	BY	DATE	ECO NO.

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us TURCK					
1. 2. 3. 4.											
MATERIAL		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT RDS		DATE 08/09/11		DESCRIPTION P-CKFDV 19-1901-*			
SEE SPECIFICATIONS				APVD T.K.		SCALE 1=1.5					
FINISH		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT MILLIMETER [INCH] DO NOT SCALE THIS DRAWING				IDENTIFICATION NO.		REV D	
SEE SPECIFICATIONS											
								FILE: 777027971		SHEET 1 OF 1	