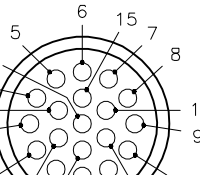


MALE END VIEW



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

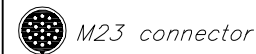
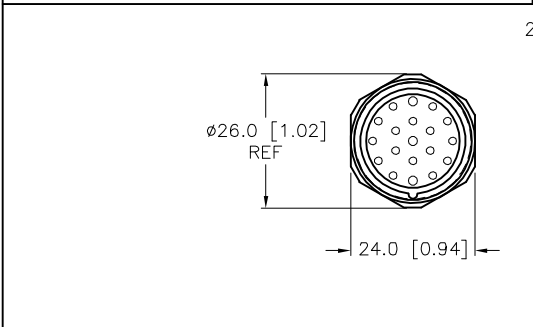
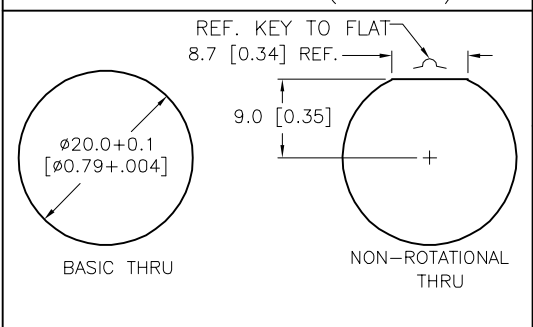


Figure 1 illustrates the dimensioning of a hole in a part. The left view, labeled "BASIC THRU", shows a hole with a diameter dimension of $\phi 20.0 + 0.1$ and a tolerance of $[\phi 0.79 + .004]$. The right view, labeled "NON-ROTATIONAL THRU", shows a hole with a depth dimension of 9.0 [0.35] and a reference key to flat dimension of 8.7 [0.34].



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
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm
* UNLESS OTHERWISE SPECIFIED	

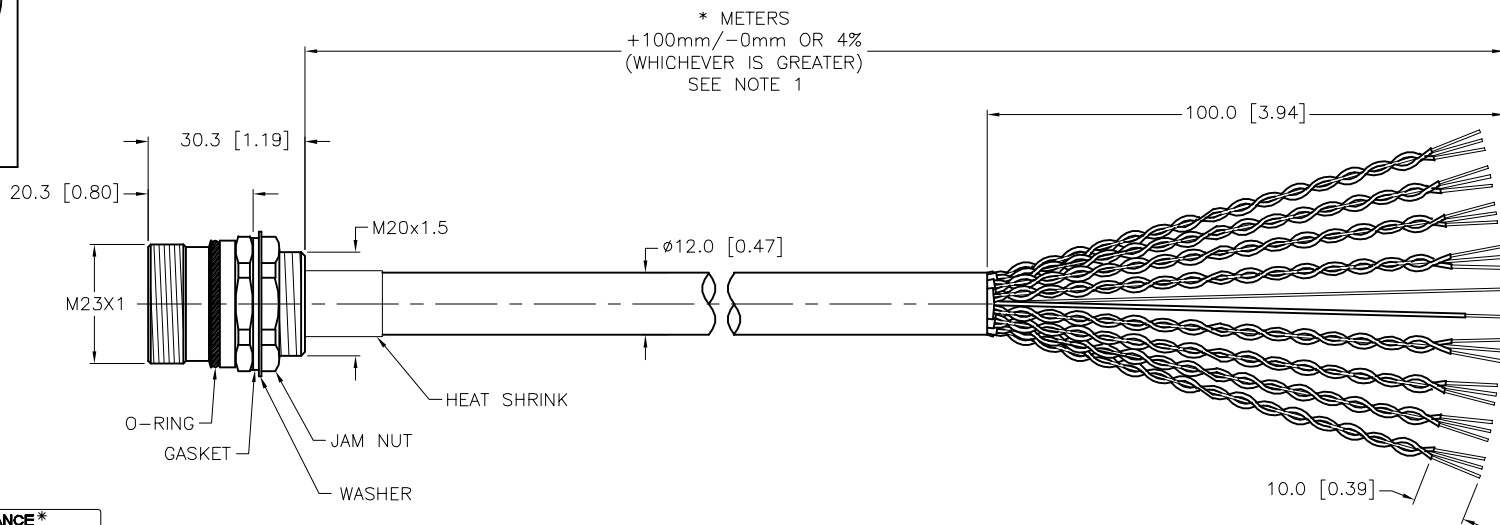
* UNLESS OTHERWISE SPECIFIED

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

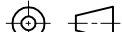
WIRING DIAGRAM

1 ← WH/BK
2 ← BK/WH
3 ← WH/GN
4 ← GN/WH
5 ← WH/RD
6 ← RD/WH
7 ← WH/OG
8 ← OG/WH
9 ← WH/BU
10 ← BU/WH
11 ← WH/BN
12 ← BN/WH
13 ← WH/YE
14 ← YE/WH
15 ← WH/VT
16 ← VT/WH
17 ← GN/YE
18 ← DRAIN 8
19 ← DRAIN 9

SPECIFICATIONS	
CONTACT CARRIER MATERIAL	NYLON or PBT
CONTACT MATERIAL/PLATING	BRASS/GOLD
HOUSING/LOCKNUT MATERIAL/PLATING	BRASS/NICKEL
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/BLUE
CONDUCTOR INSULATION MATERIAL	PVC
NUMBER OF CONDUCTORS [AWG]	16x22 AWG, 1x18 AWG GROUND
DRAIN/SHIELD	9x22 AWG DRAINS/ALUMINUM FOIL SHIELDED
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
CABLE RATINGS	UL: ITC/PLTC/AWM, 105C, 300V CSA: CMG/AWM, 105C, 300V
MAXIMUM PANEL THICKNESS	3.5 [0.138]



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1. 2. 3. 4.											
MATERIAL		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION		DRFT		RDS		DATE 09/08/06		DESCRIPTION P-CSFL 19-977-*	
SEE SPECIFICATIONS				APVD				SCALE 1=1.5			
FINISH				UNIT OF MEASUREMENT MILLIMETER [INCH] DO NOT SCALE THIS DRAWING						IDENTIFICATION NO.	
SEE SPECIFICATIONS		FILE: 777014218									