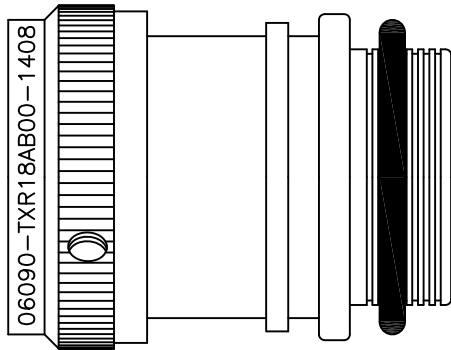


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REVISION			
LTR	DESCRIPTION	DATE	APPROVED
G2	REVISED PER ECO-14-008400	06/04/2014	I. MYONG
H	REVISED PER ECO-14-015963	10/24/2014	I. MYONG



CODE 18 - TINEL-LOCK ADAPTER - STRAIGHT

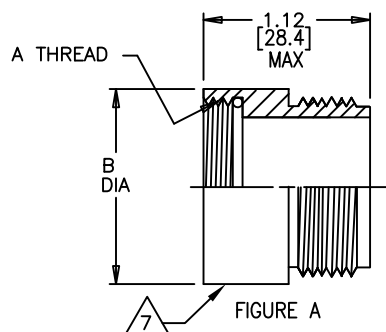
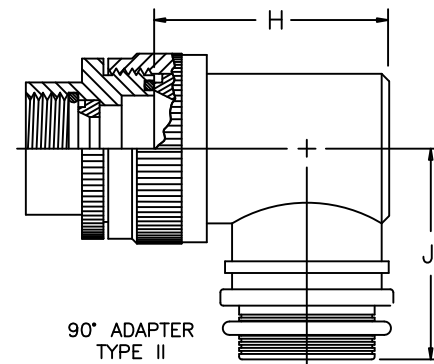
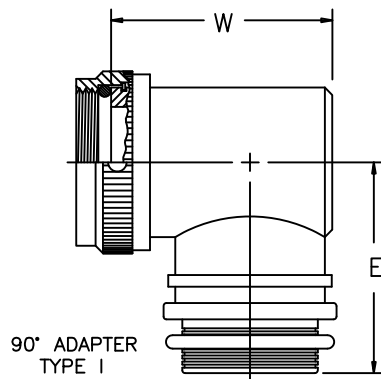
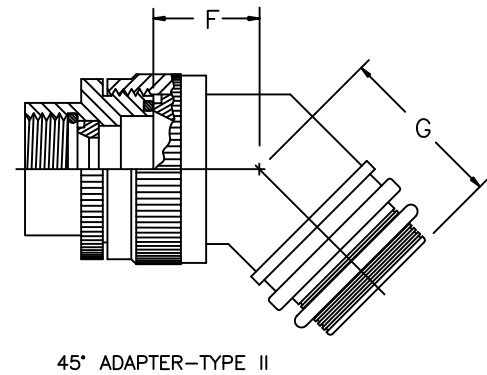
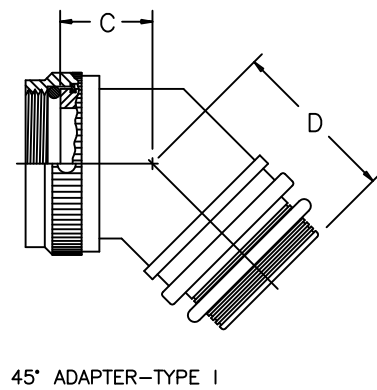
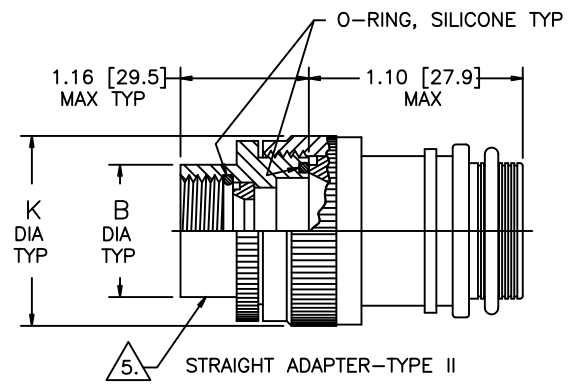
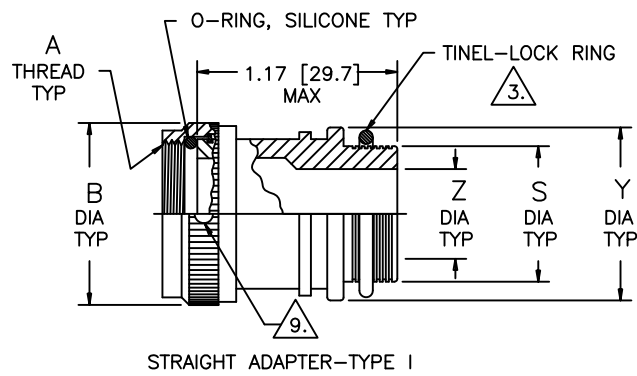
NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
2. SEE CH00-0250-008 FOR ORDERING INFORMATION, MODIFICATIONS AND ADDITIONAL DIMENSIONS.
3. SEE DRAWING "TR" FOR DETAIL ON TINEL-LOCK RING. RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY. ALL RINGS ARE MARKED WITH THERMOCHROMIC PAINT WHICH CHANGES COLOR WHEN INSTALLATION TEMPERATURE IS REACHED.
4. ADAPTER TO BE PERMANENTLY MARKED WITH CODE IDENT. NO. AND PART NO. LESS RING DESIGNATOR (E.G., 06090-TXR18AB00-1406 YYWW). RINGS SHALL BEAR NO MARKING.
5. FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.
6. ADAPTER MATES TO MIL-C-5015D, CLASS A, E & R, MS3100, MS3101 & MS3106. RESILIENT INSERT, SOLDER TYPE & BENDIX 10-214, CANNON CA-RX COMMERCIAL CRIMP TYPE.
7. ADDITIONAL PIECE(S) SUPPLIED WHEN CONNECTOR MANUFACTURER IS UNKNOWN ("D" IN TABLE III) AND ENTRY SIZE DOES NOT EXCEED VALUE IN TABLE I. SEE FIGURE A PAGE 2 OF 4.
8. ALL THREAD SIZES FOR ORDER NO. APPLY.
9. ANTI-ROTATIONAL SET SCREW, 3 THREADED HOLES 120°±5° APART, SINGLE MATING SET SCREW SUPPLIED: AN565DC4H2. NOT REQUIRED FOR TYPE II ADAPTERS.

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. REFERENCE METRIC DIMENSIONS ARE IN BRACKETS [metric].	DRAWN: T. NGUYEN	DATE: 02/21/2014	 TE Connectivity					
	CHECKED: I. MYONG	DATE: 02/24/2014						
	DECIMALS TOLERANCES: XXX ± .005 [0.13mm] XX ± .01 [0.25mm] X ± .1 [0.50mm]	APPROVED: I. MYONG	DATE: 02/25/2014	TITLE: CODE 18 – TINEL–LOCK ADAPTER				
	ANGLES TOLERANCE: ± 1°	MATERIAL: SEE NOTES	FINISH: SEE NOTES					
SCALE: DO NOT SCALE THIS DRAWING	CAD FILE: TXR18.dwg	THIRD ANGLE PROJECTION: 	SIZE: A	SHEET: 1 OF 4	CAGE CODE: 06090	DRAWING NO: TXR18	REV. H	



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2 OF 4

DWG. NO.

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TABLE I										
ORDER NO.	SHELL SIZE —	MFR CODE TABLE III	MAX ENTRY SIZE TYPE I	A THREAD CLASS 2B	B DIA MAX	C MAX	D MAX	E MAX	W MAX	
08	8S	B	04	.375–32 UNEF	.73 [18.5]	.80 [20.3]	.92 [23.4]	1.23 [31.2]	.93 [23.6]	
		C		.438–28 UNEF					.99 [25.1]	
		A,R		.438–27 UNS						
		D		—						
10	10S	—	06	.500–28 UNEF	.79 [20.1]	.83 [21.1]	.95 [24.1]	1.23 [31.2]	1.06 [26.8]	
11	10SL	C	07	.562–24 UNEF	.85 [21.6]	.83 [21.1]	.95 [24.1]	1.23 [31.2]	1.12 [28.4]	
		A,B,R		.625–24 UNEF	.92 [23.4]				1.18 [30.0]	
		D		—						
		B,C		.625–24 UNEF	.92 [23.4]					
12	12 & 12S	A,R	08	.688–24 UNEF	.98 [24.9]	.83 [21.1]	.95 [24.1]	1.23 [31.2]	1.18 [30.0]	
		D		—	.86 [21.8]	.98 [24.9]	1.30 [33.0]	1.24 [31.6]		
		B,C		.625–24 UNEF						
		A,R		.688–24 UNEF						
14	14 & 14S	—	10	.750–20 UNEF	1.04 [26.4]	.86 [21.8]	.98 [24.9]	1.30 [33.0]	1.31 [33.2]	
16	16 & 16S	—	12	.875–20 UNEF	1.23 [31.2]	.89 [22.6]	1.02 [25.9]	1.42 [36.1]	1.43 [36.3]	
18	18	—	12	1.000–20 UNEF	1.35 [34.3]	.92 [23.4]	1.05 [26.7]	1.48 [37.6]	1.49 [37.9]	
20	20	A,B,C	16	1.125–18 UNEF	1.48 [37.6]	.95 [24.1]	1.08 [27.4]	1.55 [39.4]	1.68 [42.7]	
		R		1.125–24 UNS						
		D		—						
		—		1.250–18 UNEF						1.60 [40.6]
24	24	—	20	1.375–18 UNEF	1.73 [43.9]	.98 [24.9]	1.11 [28.2]	1.67 [42.4]	1.93 [49.0]	
28	28	—	22	1.625–18 UNEF	2.10 [53.3]	1.08 [27.4]	1.17 [29.7]	1.86 [47.2]	2.06 [52.2]	
32	32	B,C	24	1.875–16 UN	2.23 [56.6]	1.11 [28.2]	1.23 [31.2]	1.92 [48.8]	2.31 [58.6]	
		A,R		1.906–18 UN						
		D		—						
		—		2.062–16 UNS						2.48 [63.0]
B	2.062–20 UNS									
R	2.125–16 UN									
C	2.125–18 UNS									
36	36	A	24	—	2.312–16 UNS	2.73 [69.3]	1.27 [32.3]	1.30 [33.0]	2.17 [55.1]	2.81 [71.3]
		D		2.375–16 UN						
		B		—						
		A,C,R		2.625–16 UN						
44	44	—	24	2.625–16 UN	3.23 [82.0]	1.34 [34.0]	1.36 [34.5]	2.42 [61.5]	3.06 [77.6]	
48	48	C	24	2.812–18 UNS	3.23 [82.0]	1.34 [34.0]	1.36 [34.5]	2.42 [61.5]	3.31 [84.0]	
		A,R		2.875–16 UN						
		D		—						
		—		—						

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TABLE II

ENTRY SIZE	Z +.010 -.020	S DIA	Y $\pm .015$ [± 0.38]	F MAX	G MAX	J MAX	H MAX	K MAX
04	.250 [6.35]	.376 [9.56] .370 [9.39]	.550 [13.97]	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.438 [11.13] .432 [10.97]	.612 [15.54]	.77 [19.6]	.93 [23.6]	1.16 [29.5]	1.19 [30.2]	.80 [20.3]
06	.375 [9.52]	.501 [12.73] .495 [12.57]	.675 [17.14]	.77 [19.6]	.93 [23.6]	1.16 [29.5]	1.19 [30.2]	.80 [20.3]
07	.437 [11.09]	.563 [14.31] .556 [14.12]	.737 [18.71]	.80 [20.3]	.95 [24.1]	1.22 [31.0]	1.38 [35.1]	.92 [23.4]
08	.500 [12.70]	.626 [15.91] .619 [15.72]	.800 [20.32]	.80 [20.3]	.95 [24.1]	1.22 [31.0]	1.38 [35.1]	.92 [23.4]
10	.625 [15.87]	.752 [19.11] .742 [18.84]	.925 [23.49]	.84 [21.3]	1.00 [25.4]	1.35 [34.3]	1.51 [38.4]	1.18 [30.0]
12	.750 [19.05]	.877 [22.28] .867 [22.02]	1.050 [26.67]	.86 [21.8]	1.01 [25.7]	1.40 [35.6]	1.63 [41.4]	1.35 [34.3]
14	.875 [22.23]	1.002 [25.46] .991 [25.17]	1.175 [29.84]	.88 [22.4]	1.04 [26.4]	1.46 [37.1]	1.78 [45.2]	1.41 [35.8]
16	1.000 [25.40]	1.127 [28.63] 1.116 [28.34]	1.300 [33.02]	.91 [23.1]	1.06 [26.9]	1.53 [38.9]	1.88 [47.8]	1.60 [40.6]
18	1.125 [28.57]	1.252 [31.81] 1.241 [31.52]	1.425 [36.19]	.93 [23.6]	1.09 [27.7]	1.59 [40.4]	2.01 [51.1]	1.66 [42.2]
20	1.250 [31.75]	1.377 [34.98] 1.366 [34.69]	1.550 [39.37]	.98 [24.9]	1.13 [28.7]	1.78 [45.2]	2.13 [54.1]	2.04 [51.8]
22	1.375 [34.93]	1.502 [38.15] 1.488 [37.79]	1.675 [42.55]	1.03 [26.2]	1.38 [35.1]	1.85 [47.0]	2.29 [58.2]	2.23 [56.6]
24	1.500 [38.10]	1.627 [41.33] 1.613 [40.97]	1.800 [45.72]	1.08 [27.4]	1.44 [36.6]	1.92 [48.8]	2.42 [61.5]	2.23 [56.6]

TABLE III

MFR CODE	CONNECTOR MANUFACTURER (MS 3100, MS 3101 & MS 3106)
A	AMPHENOL—CLASS A
B	BENDIX—CLASS A, E & R
C	CANNON—CLASS A, E & R
D	MFR UNKNOWN, CLASS A, E & R
R	AMPHENOL—CLASS R
—	MFR CODE NOT REQUIRED

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