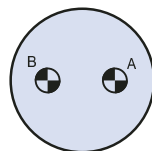
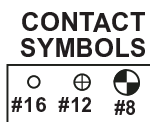


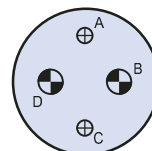
SERIES 970 CONTACT ARRANGEMENTS						
Contact Size	Contact Arrangement	Contact Size and Qty				
		#16	#12	#8	#4	#1/0
Size #8	18-2			2		
	18-4		2	2		
	20-3			3		
	20-5		2	3		
	20-7	4		3		
	20-4			4		
	24-5			5		
Size #4	24-2				2	
	24-6		4		2	
	24-3				3	
	24-A6		3		3	
	28-4				4	
	28-9	5			4	
	32-5				5	
Size #1/0	32-2					2
	32-4				2	2
	32-3					3
	32-6		3			3
	36-4					4
	40-5					5

Contact Arrangements shown are mating face views of pin connectors.
Socket arrangements are reversed.

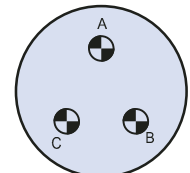
CONTACT ARRANGEMENTS WITH SIZE #8 CONTACTS



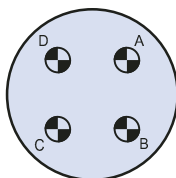
18-2
2 #8



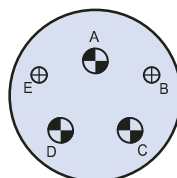
18-4
2 #8, 2 #12



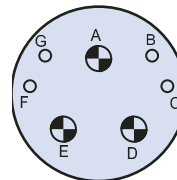
20-3
3 #8



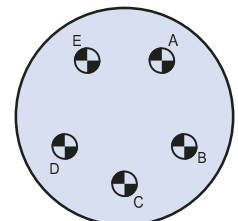
20-4
4 #8



20-5
3 #8, 2 #12



20-7
3 #8, 4 #16



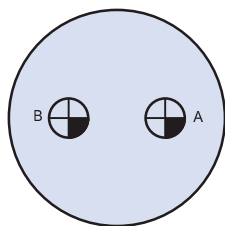
24-5
5 #8

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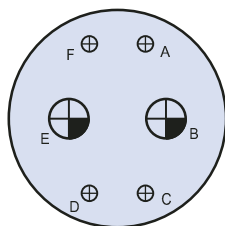
Contact Arrangements shown are mating face views of pin connectors.
Socket arrangements are reversed.

CONTACT ARRANGEMENTS WITH SIZE #4 CONTACTS

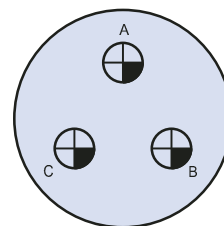
B



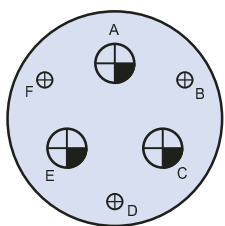
24-2
2 #4



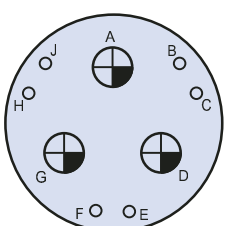
24-6
2 #4, 4 #12



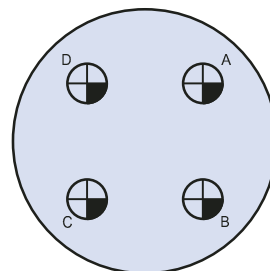
24-3
3 #4



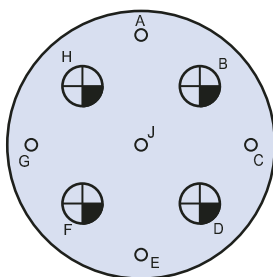
24-A6
3 #4, 3 #12



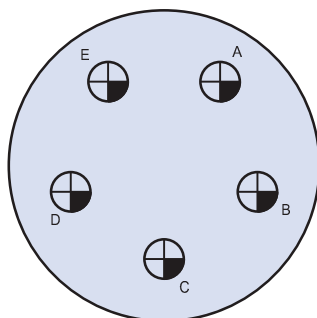
24-9
3 #4, 6 #16



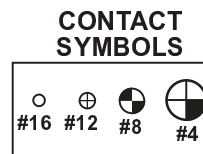
28-4
4 #4



28-9
4 #4, 5 #16



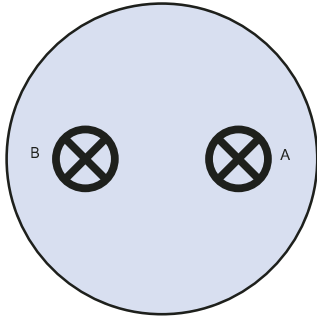
32-5
5 #4



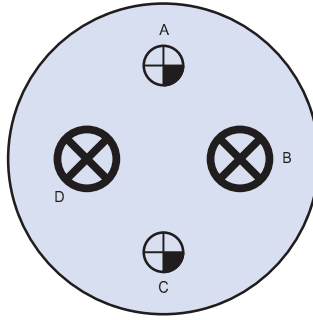
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Contact Arrangements shown are mating face views of pin connectors.
Socket arrangements are reversed.

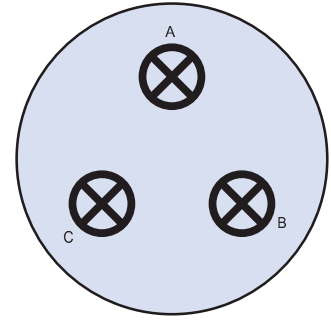
CONTACT ARRANGEMENTS WITH SIZE #1/0 CONTACTS



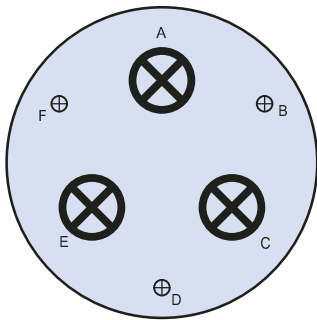
32-2
2 #1/0



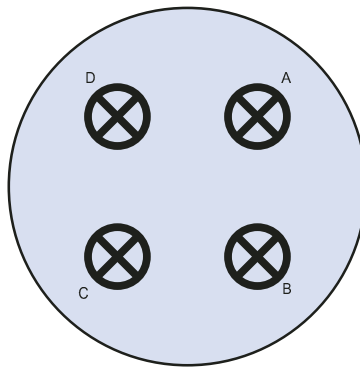
32-4
2 #1/0, 2 #4



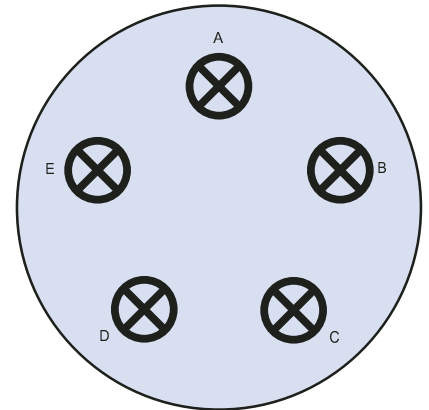
32-3
3 #1/0



32-6
3 #1/0, 3 #12

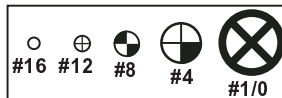


36-4
4 #1/0



40-5
5 #1/0

CONTACT SYMBOLS



B

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Technical Reference Wire Ampacity and Wire Diameter

NEC Table 310.18

Allowable ampacities of insulated conductors rated 0 through 2000 volts, 200° C. Types FEP, FEPB, PFA, SA. Not more than three current-carrying conductors in raceway or cable.

Ambient Temp. (°C)	Wire Size AWG								
	14	12	10	8	6	4	2	1	1/0
40°	36	45	60	83	110	125	171	197	229
41-50°	35	44	58	81	107	121	166	191	222
51-60°	34	42	56	78	103	118	161	185	215
61-70°	32	41	54	75	99	113	154	177	206
71-80°	31	39	52	72	96	109	149	171	199
81-90°	30	37	50	69	91	104	142	164	190
91-100°	28	36	47	66	87	99	135	156	181
101-120°	26	32	43	59	78	89	121	140	163
121-140°	22	27	37	51	67	76	104	120	140
141-160°	18	23	30	42	55	63	86	99	115
161-180°	13	16	21	29	39	44	60	69	80
Above 180°	-	-	-	-	-	-	-	-	-

Wire Insulation Diameters

This table shows the minimum and maximum wire diameters compatible with Series 970 connectors.

Wires smaller than specified will not seal properly.

Wires larger than specified will be difficult to install and extract.

Contact Size	Wire Size (AWG)	Finished Wire Outside Dimensions			
		Minimum Diameter		Maximum Diameter	
		Inches	mm	Inches	mm
16	16, 18 20	.053	1.35	.103	2.62
12	12, 14	.085	2.16	.158	4.01
8	8, 10	.132	3.35	.255	6.48
4	4, 6	.237	6.02	.370	9.40
1/0	0, 2	.360	9.14	.550	14.0

Dimensions in inches (millimeters) and are subject to change without notice.