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AS85049/3

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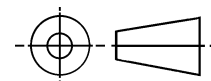
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AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, CABLE
SEALING, STRAIGHT, CATEGORY 1A (FOR MIL-C-22992
CONNECTORS, CLASSES C, J, AND R)

AS85049/3
SHEET 1 OF 13

ISSUED 2000-04 REAFFIRMED 2006-01

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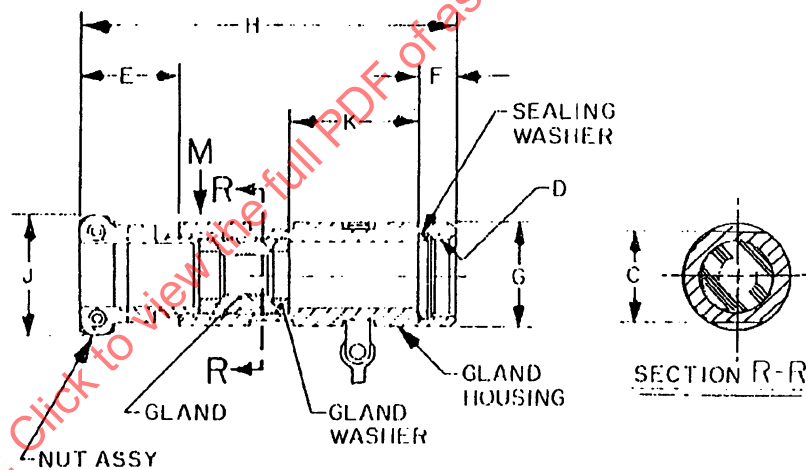
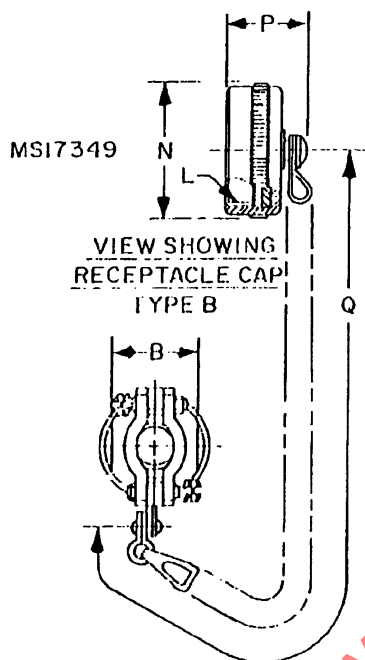
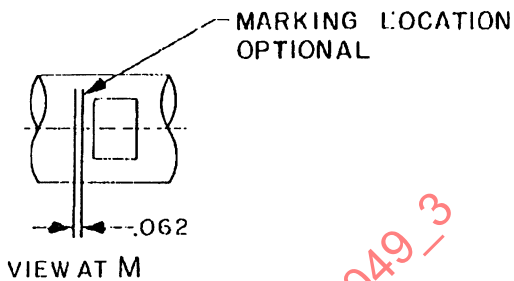
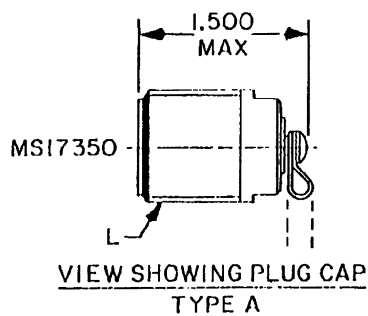
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AS85049/3



CONFIGURATION A. STYLE 1 CABLE SEALING.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS.

Size Number	Shell size	Cable range		B	C	D	E	F	G	H	J	K	L	N	P	Q
		Max dia	Min dia	+ .000 - .010	+ .000 - .010	Thread Class 2B-LH	Free length max	+ .016 - .020	Dia + .010 - .020	Max	± .031	+ .015 - .025	Thread (plated) Class 2 (A or B)	Dia max	Max	Within one link
1	12	.375	.281	.750	.812	.7500-20 UNEF	.969	.479	.938	3.365	1.062	.621	.8750-0.1P-0.2L-DS	1.094	.765	5.00
2	12	.281	.188	.750	.812	.7500-20 UNEF	.969	.479	.938	3.365	1.062	.621	.8750-0.1P-0.2L-DS	1.094	.765	5.00
3	14	.438	.344	.875	.938	.8750-20 UNEF	.969	.479	1.062	3.678	1.125	.871	1.0000-0.1P-0.2L-DS	1.219	.765	5.00
4	16	.605	.511	1.000	1.062	1.0000-20 UNEF	1.062	.479	1.188	4.177	1.375	1.121	1.1250-0.1P-0.2L-DS	1.344	.980	5.00
5	16	.530	.436	1.000	1.062	1.0000-20 UNEF	1.062	.479	1.188	4.177	1.375	1.121	1.1250-0.1P-0.2L-DS	1.344	.980	5.00
6	16	.405	.311	1.000	1.062	1.0000-20 UNEF	1.062	.479	1.188	4.177	1.375	1.121	1.1250-0.1P-0.2L-DS	1.344	.980	5.00
7	18	.625	.531	1.062	1.125	1.1250-18 NEF	1.062	.479	1.312	4.489	1.562	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
8	18	.699	.605	1.062	1.125	1.1250-18 NEF	1.062	.479	1.312	4.489	1.562	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
9	18	.500	.406	1.062	1.125	1.1250-18 NEF	1.062	.479	1.312	4.489	1.562	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
10	18	.455	.361	1.062	1.125	1.1250-18 NEF	1.062	.479	1.312	4.489	1.562	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
11	20	.828	.715	1.188	1.250	1.2500-18 NEF	1.125	.479	1.438	4.615	1.688	1.371	1.3750-0.1P-0.2L-DS	1.562	.980	5.00
12	20	.562	.449	1.188	1.250	1.2500-18 NEF	1.125	.479	1.438	4.615	1.688	1.371	1.3750-0.1P-0.2L-DS	1.562	.980	5.00
13	22	.750	.637	1.312	1.375	1.3750-18 NEF	1.094	.479	1.562	4.647	1.812	1.371	1.5000-0.1P-0.2L-DS	1.688	.980	6.00
14	22	.900	.787	1.312	1.375	1.3750-18 NEF	1.094	.479	1.562	4.647	1.812	1.371	1.5000-0.1P-0.2L-DS	1.688	.980	6.00

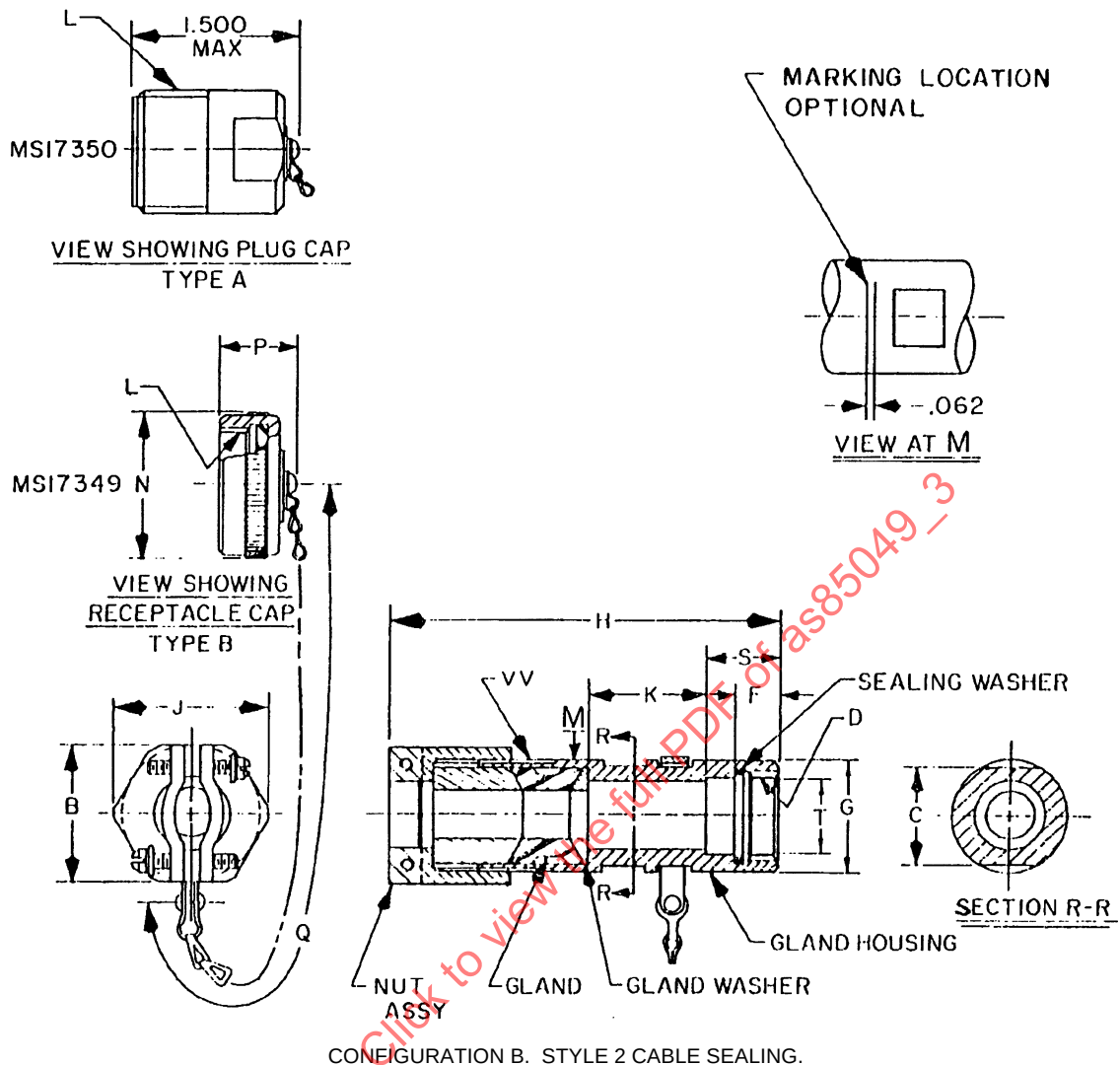
CONFIGURATION A. STYLE 1 CABLE SEALING - CONTINUED.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

Size number	Shell size	Cable range		B	C	D	E	F	G	H	J	K	L	N	P	Q
		Max dia	Min dia			Thread Class 2B-LH	Free length max		Dia	Max			Thread (plated) Class 2 (A or B)	Dia max	Max	Within one link
15	22	.805	.692	1.312	1.375	1.3750-18 NEF	1.094	.479	1.562	4.647	1.812	1.371	1.5000-0.1P-0.2L-DS	1.688	.980	6.00
16	24	1.055	.930	1.546	1.625	1.6250-18 NEF	1.281	.479	1.812	4.896	2.125	1.371	1.7500-0.1P-0.2L-DS	1.938	.980	6.00
17	24	1.000	.675	1.546	1.625	1.6250-18 NEF	1.281	.479	1.812	4.896	2.125	1.371	1.7500-0.1P-0.2L-DS	1.938	.980	6.00
18	24	1.109	.984	1.546	1.625	1.6250-18 NEF	1.281	.479	1.812	4.896	2.125	1.371	1.7500-0.1P-0.2L-DS	1.938	.980	6.00
19	24	.880	.755	1.546	1.625	1.6250-18 NEF	1.281	.479	1.812	4.896	2.125	1.371	1.7500-0.1P-0.2L-DS	1.938	.980	6.00
20	28	1.180	1.055	1.780	1.875	1.8750-16 UN	1.281	.479	2.062	4.959	2.469	1.372	2.0000-0.1P-0.2L-DS	2.219	.980	6.00
21	28	1.230	1.105	1.780	1.875	1.8750-16 UN	1.281	.479	2.062	4.959	2.469	1.372	2.0000-0.1P-0.2L-DS	2.219	.980	6.00
22	28	1.310	1.185	1.780	1.875	1.8750-16 UN	1.281	.479	2.062	4.959	2.469	1.372	2.0000-0.1P-0.2L-DS	2.219	.980	6.00
23	32	1.455	1.320	2.000	2.062	2.0625-16 UNS	1.281	.479	2.312	5.021	2.625	1.371	2.2500-0.1P-0.2L-DS	2.469	.980	6.00
24	32	1.531	1.406	2.000	2.062	2.0625-16 UNS	1.281	.479	2.312	5.021	2.625	1.371	2.2500-0.1P-0.2L-DS	2.469	.980	6.00
25	32	1.375	1.250	2.000	2.062	2.0625-16 UNS	1.281	.479	2.312	5.021	2.625	1.371	2.2500-0.1P-0.2L-DS	2.469	.980	6.00
26	36	1.656	1.531	2.250	2.312	2.3125-16 UNS	1.281	.479	2.562	5.083	2.953	1.370	2.5000-0.1P-0.2L-DS	2.719	.980	6.00
27	36	1.562	1.437	2.250	2.312	2.3125-16 UNS	1.281	.479	2.562	5.083	2.953	1.370	2.5000-0.1P-0.2L-DS	2.719	.980	6.00
28	44	2.250	2.105	2.875	2.750	2.8750-16 UN	1.382	.667	3.125	6.471	3.500	2.218	3.0000-0.1P-0.2L-DS	3.217	.980	6.00
29	44	2.170	2.025	2.875	2.750	2.8750-16 UN	1.382	.667	3.125	6.471	3.500	2.218	3.0000-0.1P-0.2L-DS	3.217	.980	6.00

CONFIGURATION A. STYLE 1 CABLE SEALING - CONTINUED.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.



Size number	Shell size	Cable range		B +.005	C +.000 -.010	D Thread Class 2B-LH	F +.016	G Dia +.010 -.020	H Max	J Max	K ±.010
		Max	Min								
1	12	.396	.246	1.094	.812	.7500-20 UNEF	.479	.938	4.000	1.110	.950
2	14	.521	.321	1.129	.938	.8750-20 UNEF	.479	1.062	4.100	1.320	1.075
3	16	.646	.446	1.344	1.062	1.0000-20 UNEF	.479	1.188	4.400	1.420	1.200
4	18	.765	.565	1.469	1.125	1.1250-18 UNEF	.479	1.312	4.900	1.600	1.325
5	20	.890	.690	1.625	1.250	1.2500-18 UNEF	1.438	1.188	4.900	1.750	1.325
6	22	1.015	.815	1.750	1.375	1.3750-18 UNEF	.479	1.562	4.900	1.900	1.325
7	24	1.180	.980	2.000	1.625	1.6250-18 NEF	.479	1.812	5.000	2.190	1.450
8	28	1.430	1.230	2.250	1.875	1.8750-16 UN	.479	2.062	5.300	2.475	1.700
9	28	1.230	1.030	2.250	1.875	1.8750-16 UN	.479	2.062	5.300	2.475	1.700
10	32	1.670	1.430	2.500	2.062	2.0625-16 N	.479	2.312	5.600	2.715	1.950
11	36	1.860	1.660	2.750	2.312	2.3125-16 N	.479	2.562	5.600	2.900	1.950
12	40	2.110	1.860	3.062	2.562	2.6250-16 UN	.667	2.875	5.725	3.250	1.950

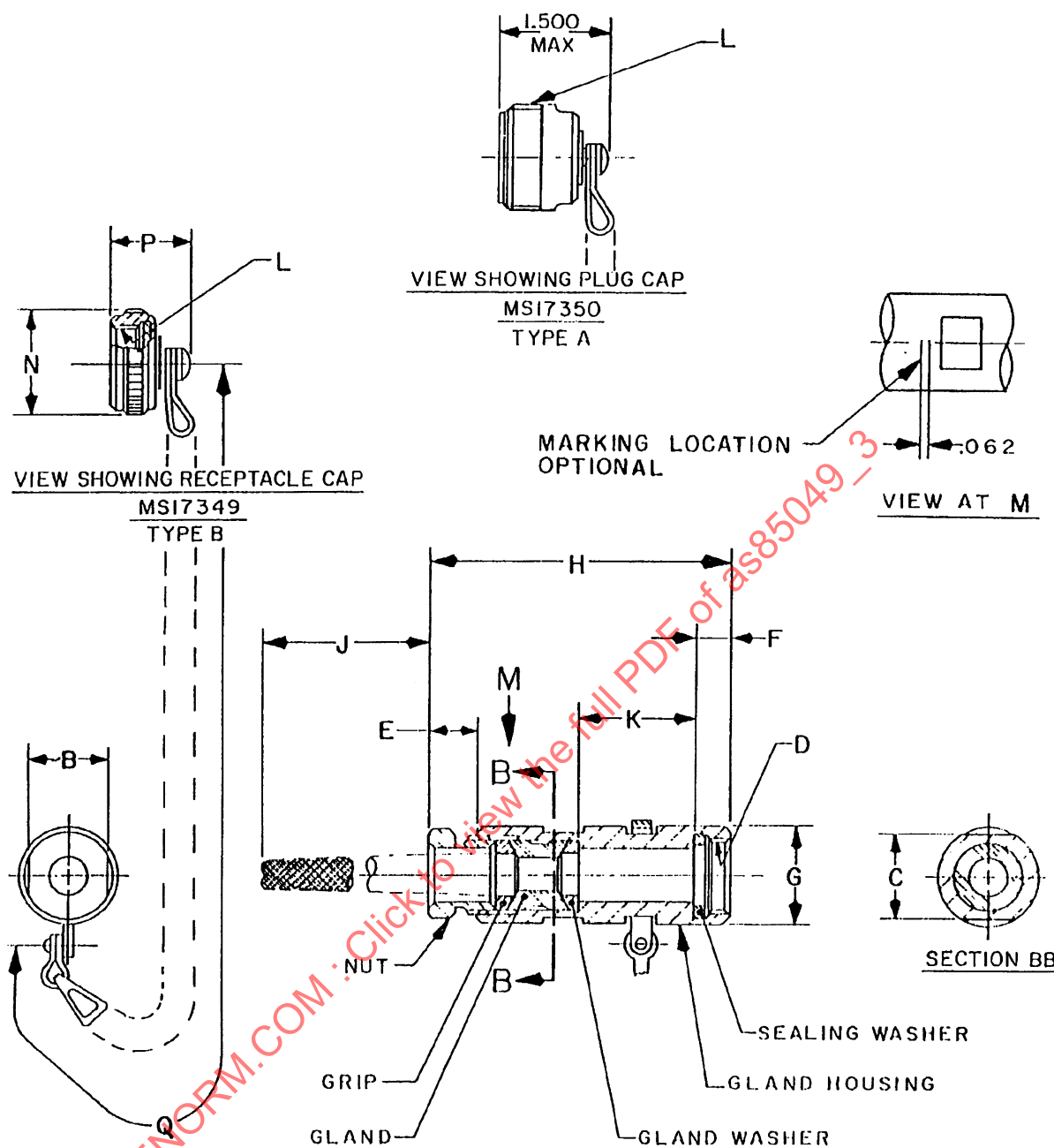
CONFIGURATION B. STYLE 2 CABLE SEALING - CONTINUED.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

Size number	Shell size	L Thread (plated) Class 2 (A or B)	N Dia max	P Max	Q Within one link	S ±.010	T Dia ±.005	VV Gland threads class 2-LH
1	12	.8750-0.1P-0.2L-DS	1.094	.765	5.00	1.425	.600	.9375-20 UNEF
2	14	1.0000-0.1P-0.2L-DS	1.219	.765	5.00	1.425	.726	1.0625-18 UNEF
3	16	1.1250-0.1P-0.2L-DS	1.344	.980	5.00	1.605	.845	1.1875-18 NEF
4	18	1.2500-0.1P-0.2L-DS	1.469	.980	5.00	1.605	.970	1.3125-18 NEF
5	20	1.3750-0.1P-0.2L-DS	1.562	.980	5.00	1.605	1.095	1.4375-18 NEF
6	22	1.5000-0.1P-0.2L-DS	1.688	.980	6.00	1.605	1.220	1.5625-18 NEF
7	24	1.7500-0.1P-0.2L-DS	1.938	.980	6.00	1.605	1.470	1.8125-16 N
8	28	2.0000-0.1P-0.2L-DS	2.219	.980	6.00	1.605	1.713	2.0625-16 N
9	28	2.0000-0.1P-0.2L-DS	2.219	.980	6.00	1.605	1.713	2.0625-16 N
10	32	2.2500-0.1P-0.2L-DS	2.469	.980	6.00	1.605	1.900	2.3125-16 N
11	36	2.5000-0.1P-0.2L-DS	2.719	.980	6.00	1.605	2.150	2.5000-16 UN
12	40	2.7500-0.1P-0.2L-DS	2.969	.980	6.00	1.605	2.460	2.8750-16 UN

CONFIGURATION B. STYLE 2 CABLE SEALING - CONTINUED.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.



Size Number	Shell size	Cable range		B	C	D Thread Class 2B-LH	E Free length max	F	G Dia +.010 -.020	H Max	J Approx free length	K +.015 -.025	L Thread (plated) Class 2 (A or B)	N Dia max	P Max	Q Within one link
		Max dia	Min dia													
1	12	.377	.281	.750	.812	.7500-20 UNEF	.539	.479	.938	2.935	3.344	.621	.8750-0.1P-0.2L-DS	1.094	.765	5.00
2	12	.281	.219	.750	.812	.7500-20 UNEF	.539	.479	.938	2.935	1.062	.621	.8750-0.1P-0.2L-DS	1.094	.765	5.00
3	14	.438	.400	.875	.938	.8750-20 UNEF	.539	.479	1.062	3.248	4.344	.871	1.0000-0.1P-0.2L-DS	1.219	.765	5.00
4	16	.605	.511	1.000	1.062	1.0000-20 UNEF	.597	.479	1.188	3.712	5.188	1.121	1.1250-0.1P-0.2L-DS	1.344	.980	5.00
5	16	.530	.436	1.000	1.062	1.0000-20 UNEF	.597	.479	1.188	3.712	4.688	1.121	1.1250-0.1P-0.2L-DS	1.344	.980	5.00
6	16	.405	.316	1.000	1.062	1.0000-20 UNEF	.597	.479	1.188	3.712	3.688	1.121	1.1250-0.1P-0.2L-DS	1.344	.980	5.00
7	18	.699	.605	1.062	1.125	1.1250-18 UNEF	.597	.479	1.312	4.024	6.188	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
8	18	.625	.560	1.062	1.125	1.1250-18 UNEF	.597	.479	1.312	4.024	6.188	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
9	18	.455	.361	1.062	1.125	1.1250-18 UNEF	.597	.479	1.312	4.024	4.188	1.371	1.2500-0.1P-0.2L-DS	1.469	.980	5.00
10	20	.828	.715	1.125	1.250	1.2500-18 UNEF	.625	.479	1.438	4.115	6.688	1.371	1.3750-0.1P-0.2L-DS	1.562	.980	5.00
11	20	.562	.449	1.125	1.250	1.2500-18 UNEF	.625	.479	1.438	4.115	5.188	1.371	1.3750-0.1P-0.2L-DS	1.562	.980	5.00
12	22	.900	.787	1.250	1.375	1.3750-18 UNEF	.597	.479	1.562	4.150	7.188	1.371	1.5000-0.1P-0.2L-DS	1.688	.980	6.00
13	22	.750	.637	1.250	1.375	1.3750-18 UNEF	.597	.479	1.562	4.150	6.688	1.371	1.5000-0.1P-0.2L-DS	1.938	.980	6.00
14	24	1.109	.994	1.500	1.625	1.6250-18 UNEF	.597	.479	1.812	4.212	7.688	1.371	1.7500-0.1P-0.2L-DS	1.938	.980	6.00

CONFIGURATION C. STYLE 3 CABLE SEALING AND GRIPPING - CONTINUED.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

Size number	Shell size	Cable range Max dia Min dia	b + .000 - .010	C + .000 - .010	D Thread Class 2B-LH	E Free length max	F + .016 - .020	G Dia + .010 - .020	H Max	J Approx- free length	K + .015 - .025	L Thread (plated) Class 2 (A or B)	N Dia max	P Max	Q Within one link
15	24	1.000 .875	1.500 1.625	1.625	1.6250-18 UNEF	.597	.479	1.812	4.212	7.188	1.371	1.7500-0.1P-0.2L-DS	1.938	.980	6.00
16	24	.880 .755	1.500 1.625	1.625	1.6250-18 UNEF	.597	.479	1.812	4.212	6.688	1.371	1.7500-0.1P-0.2L-US	1.938	.980	6.00
17	28	1.310 1.185	1.750 1.875	1.875	1.8750-16 UN	.597	.479	2.062	4.275	8.688	1.372	2.0000-0.1P-0.2L-DS	2.219	.980	6.00
18	28	1.230 1.105	1.750 1.875	1.875	1.8750-16 UN	.597	.479	2.062	4.275	8.188	1.372	2.0000-0.1P-0.2L-DS	1.219	.980	6.00
19	28	1.180 1.055	1.750 1.875	1.875	1.8750-16 UNS	.597	.479	2.062	4.275	8.188	1.372	2.0000-0.1P-0.2L-DS	2.219	.980	6.00
20	32	1.531 1.406	2.000 2.062	2.062	2.0625-16 UNS	.597	.479	2.312	4.337	10.688	1.371	2.2500-0.1P-0.2L-DS	2.469	.980	6.00
21	32	1.455 1.320	2.000 2.062	2.062	2.0625-16 UN	.597	.479	2.312	4.337	9.688	1.371	2.2500-0.1P-0.2L-DS	2.469	.980	6.00
22	42	1.375 1.250	2.000 2.062	2.062	2.0625-16 UN	.597	.479	2.312	4.337	9.688	1.371	2.2500-0.1P-0.2L-DS	2.469	.980	6.00
23	36	1.656 1.531	2.250 2.312	2.312	2.3125-16 UN	.597	.479	2.562	4.399	12.688	1.370	2.5000-0.1P-0.2L-DS	2.719	.980	6.00
24	36	1.562 1.437	2.250 2.312	2.312	2.3125-16 UN	.597	.479	2.562	4.399	11.188	1.370	2.5000-0.1P-0.2L-DS	2.719	.980	6.00
25	44	2.250 2.105	2.750 2.750	2.750	2.8750-16 UN	.710	.667	3.125	5.799	17.188	2.218	3.0000-0.1P-0.2L-DS	3.217	.980	6.00
26	44	2.170 2.025	2.750 2.750	2.750	2.8750-16 UN	.710	.667	3.125	5.799	17.188	2.218	3.0000-0.1P-U.2L-DS	3.217	.980	6.00

CONFIGURATION C. STYLE 3 CABLE SEALING AND GRIPPING - CONTINUED.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.