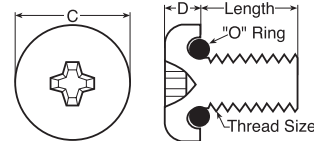
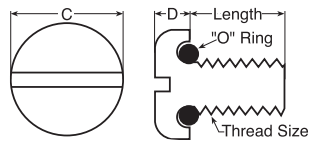


SEALING SCREWS

Sealing screws are designed with a groove underneath the head to accommodate an O-ring. When tightened, the O-ring is compressed against the connector flange a seal against air, water, and gas. These screws are also vibration-resistant. The reservoir beneath

the head confines the O-ring and permits full metal-to-metal contact between the screw and the connector flange. Sealing screws can be reused without spoiling the sealing action. Sealing screws are used in conjunction with the nut plates below.



SLOTTED PAN HEAD						
PART NUMBER	THREAD	LENGTH	C MAX.	D MAX.	CLEAR HOLE	
					MIN.	MAX.
S-440-3/8	4-40NC-2A	3/8"	.220"	.069"	.125"	.129"
S-440-1/2		1/2"				
S-440-5/8		5/8"				
S-440-3/4		3/4"				
S-632-3/8	6-32NC-2A	3/8"	.271"	.083"	.147"	.152"
S-632-1/2		1/2"				
S-632-5/8		5/8"				
S-632-3/4		3/4"				
Metric						
SM4-12mm	M4	12mm	Contact us for details.			
SM5-12mm	M5	12mm				

PHILLIPS PAN HEAD (MEETS MS3212 & MS32131)						
PART NUMBER	THREAD	LENGTH	C MAX.	D MAX.	CLEAR HOLE	
					MIN.	MAX.
R-440-3/8	4-40NC-2A	3/8"	.238"	.080"	.125"	.129"
R-440-1/2		1/2"				
R-440-5/8		5/8"				
R-440-3/4		3/4"				
R-632-3/8	6-32NC-2A	3/8"	.294"	.097"	.147"	.152"
R-632-1/2		1/2"				
R-632-5/8		5/8"				
R-632-3/4		3/4"				

Material: Passivated stainless steel screws & silicone rubber O-rings

Additional threads, lengths, and styles available. Contact us for ordering information.

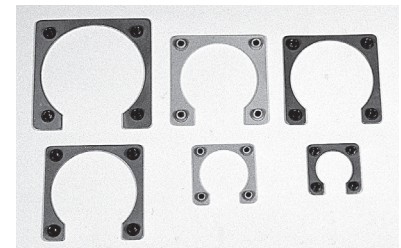
NUT PLATES

Nut plates are flat metal brackets containing four captive nuts that are used to mount flanged receptacles to a panel. They eliminate the challenge of working with loose nuts in a confined area and effectively distribute the screw tension across the back of the panel. These cost-effective devices are "self-wrenching," drawing

the bracket up for automatic alignment. Our plates are a "C" shape, design which allows you to slip the nut plate over the wire bundle just prior to mounting. The bracket is aluminum alloy with alodine plating and the nuts are steel alloy-plated with cadmium. Nut plates mate with above sealing screws.

RIGHT ANGLE WITH BRACKET

CONNECTOR STYLES		MIL-DTL-5015	MIL-DTL-26482		MIL-DTL-38999		
PART NUMBER	THREAD	CT CA/MS CB/CR	KPT, KPSE, PV70, MS3470, TRIDENT	PV72, MS3472	KJL SERIES I	KJ SERIES II	KJA/KJB SERIES III
M85049/95-8A	4-40	8/8S	8	-	-	8	-
M85049/95-10A	4-40	10S/10SL	10	-	9	10	A
M85049/95-10B	6-32	-	-	10	-	-	-
M85049/95-12A	4-40	12/12S	12	10	11	12	B
M85049/95-12B	6-32	-	-	12	-	-	-
M85049/95-14A	4-40	-	-	-	-	-	-
M85049/95-14B	6-32	14/14S	14	-	13	14	C
M85049/95-16A	4-40	-	-	14	-	-	-
M85049/95-16B	6-32	16/16S	16	-	15	16	D
M85049/95-18A	4-40	-	-	16	-	-	-
M85049/95-18B	6-32	18	18	-	17	18	E
M85049/95-20A	4-40	-	-	18	-	-	-
M85049/95-20B	6-32	20	20	-	19	20	F
M85049/95-22A	4-40	-	-	20	-	-	-
M85049/95-22B	6-32	22	22	-	21	22	G
M85049/95-24A	6-32	-	-	22	-	-	-
M85049/95-24B	6-32	-	-	24	25	-	J
M85049/95-25A	6-32	24	24	-	23	24	H
M85049/95-28A	6-32	28	24 NEPTUNE ONLY	-	25	-	-
M85049/95-32A	6-32	32	-	-	-	-	-
M85049/95-36A	6-32	36	-	-	-	-	-

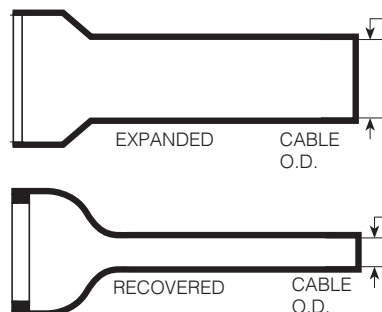


TORQUE	MAX.	
	IN/LB	N-MM
4-40	6.3	.71
6-32	10	1.12

*plastic bracket

+ PCD contacts for high density contact arrangement, MA class only, special.

STANDARD HEAT SHRINK BOOTS



Standard heat shrink boots are supplied in flame-retardant polyolefin with an adhesive inner liner. A high shrink-ratio version for sealing smaller wire bundles is also available. The adhesive liner is heat-activated and bonds to the underlying surface, filling any small voids that might exist. When cool, the adhesive forms a barrier against water, moisture, dirt and other environmental contaminants. The lip on the connector end of the recovered boot fits into the sealing groove. Operating temperature is -67° F to 275° F (-55° C to 135° C). These boots are also available in halogen-free polyolefin, semi-rigid polyolefin, silicone, or Viton, with or without adhesive liner.

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	CT-CA/MS CB-CA-B/VG-M & DZ (MIL-DTL-5015 STYLE) SHELL SIZE																
	MAX.	MIN.		10SL	12S	14S	16S/16	18	20	22	24	28	32	36						
HSB1	0.25 (6.1)	0.08 (2.0)	2.37 (60.2)	•																
HSB2	0.30 (7.6)	0.10 (2.5)	2.92 (74.2)		•	•	•													
HSB3	0.37 (9.4)	0.12 (3.0)	3.32 (84.3)						•	•										
HSB4	0.45 (11.4)	0.14 (3.6)	3.92 (99.6)													•	•	•		
SB1	0.88 (22.4)	0.25 (6.4)	4.17 (105.9)	•	•	•														
SB2	1.01 (25.7)	0.29 (7.4)	4.77 (121.2)	•	•	•	•													
SB3	1.16 (29.5)	0.33 (8.4)	5.46 (138.7)		•	•	•	•												
SB4	1.34 (34.0)	0.39 (9.9)	6.28 (159.5)				•	•	•											
SB5	1.47 (37.3)	0.41 (10.4)	7.00 (177.8)													•	•			
SB6	1.72 (43.7)	0.48 (11.2)	8.00 (203.2)															•	•	
SB7	1.97 (50.0)	0.51 (13.0)	8.00 (203.2)																•	
SB8	2.47 (62.7)	0.69 (17.5)	8.00 (203.2)																•	•

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	CA/MS/CA-B-N DN (MIL-DTL-5015 STYLE) SHELL SIZE												TRIDENT SHELL SIZE							
	MAX.	MIN.		10SL	12S	14S	16S/16	18	20	22	24	28	32	36	10	12	14	16	18	20	22	24	
HSB1	0.25 (6.1)	0.08 (2.0)	2.37 (60.2)	•	•											•							
HSB2	0.30 (7.6)	0.10 (2.5)	2.92 (74.2)			•	•	•									•	•					
HSB3	0.38 (9.7)	0.12 (3.0)	3.32 (84.3)						•	•								•	•				
HSB4	0.45 (11.4)	0.14 (3.6)	3.92 (99.6)								•	•								•	•	•	
SB1	0.88 (22.4)	0.25 (6.4)	4.17 (105.9)	•	•	•										•							
SB2	1.01 (25.7)	0.29 (7.4)	4.77 (121.2)	•	•	•	•	•								•	•	•					
SB3	1.16 (29.5)	0.33 (8.4)	5.46 (138.7)			•	•	•									•	•					
SB4	1.34 (34.0)	0.39 (9.9)	6.28 (159.5)				•	•	•	•							•	•	•	•			
SB5	1.47 (37.3)	0.41 (10.4)	7.00 (177.8)						•	•								•	•	•			
SB6	1.72 (43.7)	0.48 (11.2)	8.00 (203.2)								•	•								•	•	•	
SB7	1.97 (50.0)	0.51 (13.0)	8.00 (203.2)																			•	
SB8	2.47 (62.7)	0.69 (17.5)	8.00 (203.2)																			•	•

All dimensions in inches (millimeters in parenthesis)

STANDARD HEAT SHRINK BOOTS

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	PV M85049/60 (MIL-DTL-26482 STYLE) SHELL SIZE										KPT/KPSE DZ (MIL-DTL-26482 STYLE) SHELL SIZE								
	MAX.	MIN.		8	10	12	14	16	18	20	22	24	8	10	12	14	16	18	20	22	24	
	HSB1	0.24 (6.1)		0.08 (2.0)	2.37 (60.2)	•	•									•	•					
HSB2	0.30 (7.6)	0.10 (2.5)	2.92 (74.2)			•	•	•								•	•					
HSB3	0.37 (9.4)	0.12 (3.0)	3.32 (84.3)							•	•						•	•	•			
HSB4	0.45 (11.4)	0.14 (3.6)	3.92 (99.6)									•	•								•	•
SB1	0.88 (22.4)	0.25 (6.4)	4.17 (105.9)	•	•	•	•							•	•							
SB2	1.01 (25.7)	0.29 (7.4)	4.77 (121.2)		•	•	•	•						•	•	•	•					
SB3	1.16 (29.5)	0.33 (8.4)	5.46 (138.7)			•	•	•	•							•	•	•				
SB4	1.34 (34.0)	0.39 (9.9)	6.28 (159.5)					•	•	•						•	•	•				
SB5	1.47 (37.3)	0.41 (10.4)	7.00 (177.8)							•	•	•						•	•			
SB6	1.72 (43.7)	0.48 (11.2)	8.00 (203.2)								•	•									•	•
SB7	1.97 (50.0)	0.51 (13.0)	8.00 (203.2)																			•
SB8	2.47 (62.7)	0.69 (17.5)	8.00 (203.2)																			

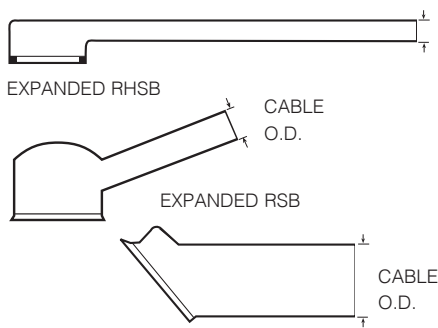
All dimensions in inches (millimeters in parenthesis)

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	KPT/KPSE DN (MIL-DTL-26482 STYLE) SHELL SIZE										KJL/KJ M85049/62 & KJA M85049/69 (MIL-DTL-38999 STYLE) SHELL SIZE									
	MAX.	MIN.		8	10	12	14	16	18	20	22	24	8/9	10/11	12/13	14/15	16/17	18/19	20/21	22/23	24/25		
	HSB1	0.24 (6.1)		0.08 (2.0)	2.37 (60.2)	•	•									•	•						
HSB2	0.30 (7.6)	0.10 (2.5)	2.92 (74.2)			•	•									•	•	•					
HSB3	0.37 (9.4)	0.12 (3.0)	3.32 (84.3)					•	•									•	•				
HSB4	0.45 (11.4)	0.14 (3.6)	3.92 (99.6)								•	•	•									•	•
SB1	0.88 (22.4)	0.25 (6.4)	4.17 (105.9)	•	•									•	•	•	•						
SB2	1.01 (25.7)	0.29 (7.4)	4.77 (121.2)	•	•	•	•								•	•	•	•					
SB3	1.16 (29.5)	0.33 (8.4)	5.46 (138.7)			•	•									•	•	•	•				
SB4	1.34 (34.0)	0.39 (9.9)	6.28 (159.5)				•	•	•									•	•	•			
SB5	1.47 (37.3)	0.41 (10.4)	7.00 (177.8)					•	•											•	•	•	•
SB6	1.72 (43.7)	0.48 (11.2)	8.00 (203.2)							•	•	•										•	•
SB7	1.97 (50.0)	0.51 (13.0)	8.00 (203.2)																				
SB8	2.47 (62.7)	0.69 (17.5)	8.00 (203.2)																				

All dimensions in inches (millimeters in parenthesis)

RIGHT ANGLE HEAT SHRINK BOOTS

RECOVERED RSB and RHSB



Right angle heat shrink boots are supplied in flame-retardant polyolefin with an adhesive inner liner. A high shrink-ratio version for sealing smaller wire bundles is also available. The adhesive liner is heat-activated and bonds to the underlying surface, filling any small voids that might exist. When cool, the adhesive forms a barrier against water, moisture, dirt and other environmental contaminants. The lip on the connector end of the recovered boot fits into the sealing groove. Operating temperature is -67° F to 275° F (-55° C to 135° C). These boots are also available in halogen-free polyolefin, semi-rigid polyolefin, silicone, or Viton, with or without adhesive liner.

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	CA/MS CA-B-M DZ (MIL-DTL-5015 STYLE) SHELL SIZE																					
	MAX.	MIN.		10SL	12S	14S	16S/16	18	20	22	24	28	32	36											
RHSB1	0.24 (6.1)	0.08 (2.0)	1.77 (45.0)	•																					
RHSB2	0.30 (7.6)	0.10 (2.5)	2.64 (67.1)		•	•	•																		
RHSB3	0.37 (9.4)	0.12 (3.0)	3.17 (81.0)					•	•	•															
RHSB4	0.45 (11.4)	0.14 (3.6)	4.57 (116.1)						•	•	•	•													
RSB1	0.88 (22.4)	0.23 (5.8)	4.14 (105.2)	•	•																				
RSB2	1.01 (25.7)	0.26 (6.6)	4.88 (124.0)	•	•	•	•																		
RSB3	1.16 (29.5)	0.30 (7.6)	5.76 (146.3)		•	•	•	•																	
RSB4	1.34 (34.0)	0.35 (8.9)	6.78 (172.2)			•	•	•	•																
RSB5	1.47 (37.3)	0.37 (9.4)	7.29 (185.2)						•	•															
RSB6	1.72 (43.7)	0.44 (11.2)	7.93 (201.4)																	•	•	•	•		
RSB7	1.97 (50.0)	0.51 (13.0)	8.84 (224.5)																		•	•	•		
RSB8	2.47 (62.7)	0.69 (17.5)	8.95 (227.3)																				•	•	

All dimensions in inches (millimeters in parenthesis)

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	CA/MS/CA-B-N DN (MIL-DTL-5015 STYLE) SHELL SIZE													TRIDENT SHELL SIZE									
	MAX.	MIN.		10SL	12S	14S	16S/16	18	20	22	24	28	32	36	10	12	14	16	18	20	22	24				
RHSB1	0.24 (6.1)	0.08 (2.0)	1.77 (45.0)	•	•																					
RHSB2	0.30 (7.6)	0.10 (2.5)	2.64 (67.1)			•	•	•																		
RHSB3	0.37 (9.4)	0.12 (3.0)	3.17 (81.0)					•	•																	
RHSB4	0.45 (11.4)	0.14 (3.6)	4.57 (116.1)						•	•	•	•														
RSB1	0.88 (22.4)	0.23 (5.8)	4.14 (105.2)	•	•																					
RSB2	1.01 (25.7)	0.26 (6.6)	4.88 (124.0)	•	•	•	•	•																		
RSB3	1.16 (29.5)	0.30 (7.6)	5.76 (146.3)			•	•	•																		
RSB4	1.34 (34.0)	0.35 (8.9)	6.78 (172.2)				•	•	•	•																
RSB5	1.47 (37.3)	0.37 (9.4)	7.29 (185.2)						•	•																
RSB6	1.72 (43.7)	0.44 (11.2)	7.93 (201.4)																							
RSB7	1.97 (50.0)	0.51 (13.0)	8.84 (224.5)																							
RSB8	2.47 (62.7)	0.69 (17.5)	8.95 (227.3)																							

All dimensions in inches (millimeters in parenthesis)

RIGHT ANGLE HEAT SHRINK BOOTS

HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	PV M85049/60 (MIL-DTL-26482 STYLE) SHELL SIZE								KPT/KPSE DZ (MIL-DTL-26482 STYLE) SHELL SIZE									
	MAX.	MIN.		8	10	12	14	16	18	20	22	24	8	10	12	14	16	18	20	22	24
RHSB1	0.24 (6.1)	0.08 (2.0)	1.77 (45.0)	•	•								•	•							
RHSB2	0.30 (7.6)	0.10 (2.5)	2.64 (67.1)			•	•	•							•	•					
RHSB3	0.37 (9.4)	0.12 (3.0)	3.17 (81.0)						•	•						•	•				
RHSB4	0.45 (11.4)	0.14 (3.6)	4.57 (116.1)								•	•								•	•
RSB1	0.88 (22.4)	0.23 (5.8)	4.14 (105.2)	•	•	•	•						•	•							
RSB2	1.01 (25.7)	0.26 (6.6)	4.88 (124.0)		•	•	•	•					•	•	•	•					
RSB3	1.16 (29.5)	0.30 (7.6)	5.76 (146.3)			•	•	•	•					•	•	•					
RSB4	1.34 (34.0)	0.35 (8.9)	6.78 (172.2)					•	•	•	•				•	•	•	•			
RSB5	1.47 (37.3)	0.37 (9.4)	7.29 (185.2)							•	•	•					•	•	•		
RSB6	1.72 (43.7)	0.44 (11.2)	7.93 (201.4)								•	•					•	•	•	•	
RSB7	1.97 (50.0)	0.51 (13.0)	8.84 (224.5)																	•	•
RSB8	2.47 (62.7)	0.69 (17.5)	8.95 (227.3)																		

All dimensions in inches (millimeters in parenthesis)

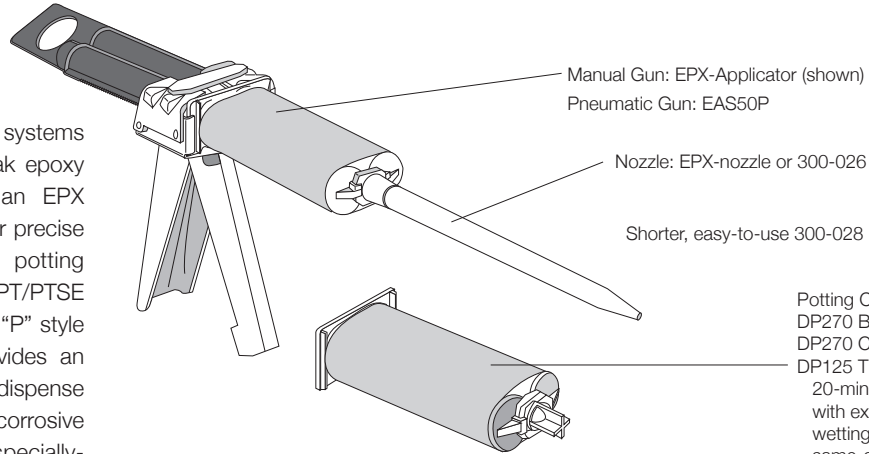
HEAT SHRINK BOOT PART NUMBER	CABLE O.D.		LENGTH ± 10%	KPT/KPSE DN (MIL-DTL-26482 STYLE) SHELL SIZE								KJL/KJ M85049/69 KJA M85049/62 & KJA M85049/69 (MIL-DTL-38999 STYLE) SHELL SIZE									
	MAX.	MIN.		8	10	12	14	16	18	20	22	24	8/9	10/11	12/13	14/15	16/17	18/19	20/21	22/23	24/25
RHSB1	0.24 (6.1)	0.08 (2.0)	1.77 (45.0)	•	•								•	•							
RHSB2	0.30 (7.6)	0.10 (2.5)	2.64 (67.1)			•	•							•	•	•					
RHSB3	0.37 (9.4)	0.12 (3.0)	3.17 (81.0)					•	•								•	•			
RHSB4	0.45 (11.4)	0.14 (3.6)	4.57 (116.1)							•	•	•								•	•
RSB1	0.88 (22.4)	0.23 (5.8)	4.14 (105.2)	•	•								•	•	•	•					
RSB2	1.01 (25.7)	0.26 (6.6)	4.88 (124.0)	•	•	•	•						•	•	•	•					
RSB3	1.16 (29.5)	0.30 (7.6)	5.76 (146.3)		•	•	•							•	•	•	•				
RSB4	1.34 (34.0)	0.35 (8.9)	6.78 (172.2)			•	•	•	•						•	•	•	•			
RSB5	1.47 (37.3)	0.37 (9.4)	7.29 (185.2)					•	•	•								•	•	•	
RSB6	1.72 (43.7)	0.44 (11.2)	7.93 (201.4)						•	•	•	•								•	•
RSB7	1.97 (50.0)	0.51 (13.0)	8.84 (224.5)								•	•									
RSB8	2.47 (62.7)	0.69 (17.5)	8.95 (227.3)																		

All dimensions in inches (millimeters in parenthesis)

POTTING SYSTEM

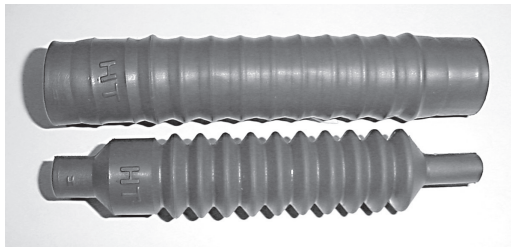


3M Scotch-Weld™ EPX potting systems consist of a self-leveling Duo-Pak epoxy potting compound cartridge, an EPX applicator, and an EPX nozzle for precise mixing. 3M's two-part epoxy potting compound is for use with the PT/PTSE and MS-E/F/R, AIT & AIB series "P" style endbells. The EPX system provides an easy way to meter, mix and dispense potting compound. 3M's non-corrosive epoxy potting compound is specially-formulated for electronic applications. Available in black and clear.



Potting Compound:
 DP270 BLACK
 DP270 CLEAR
 DP125 TRANSLUSCENT
 20-minute work-life with excellent wetting properties allows same-day shipping of assemblies
 DP100 PLUS CLEAR
 4-minute work-life; Rapid setup for automotive applications

BLACK POLYOLEFIN CONVOLUTED BOOTS



Convoluted boots are used in applications that require various cable outlet angles or if the cable harness requires quick access to connector wiring. When held in place on an angle while cooling, these boots will maintain their bend. If maximum connector serviceability is required, a two-piece spin coupling endbell should be used. The convoluted boot is used in conjunction with this spin coupling endbell, which allows the user to unthread and push the endbell back out of the way by heating the boot until it becomes flexible. The user can make the required repair, reheat the boot and rethread the backshell without having to cut off and replace the boot.

CONVOLUTED BOOTS	CABLE O.D.		LENGTH ± 10%	MAX. 90° LENGTH	CA/MS/CA-B-N DN (MIL-DTL-5015 STYLE) SHELL SIZE												TRIDENT SHELL SIZE								
	MAX.	MIN.			10SL	12S	14S	16S/16	18	20	22	24	28	32	36	10	12	14	16	18	20	22	24		
313C732-9W24	0.70 (17.8)	0.32 (8.1)	5.25 (133.4)	2.67 (67.80)	•	•	•										•								
313C743-9W24	1.06 (26.9)	0.50 (12.7)	5.75 (146.1)	2.89 (73.4)			•	•	•	•							•	•	•	•					
313C753-9W24	1.44 (36.6)	0.69 (17.5)	6.25 (158.8)	3.08 (78.20)				•	•	•	•	•						•	•	•	•	•	•		
313C764-9W24	1.80 (45.7)	0.88 (22.4)	6.75 (171.5)	3.26 (82.8)						•	•	•	•	•	•				•	•	•	•	•		
313C774-9W24	2.15 (54.6)	0.90 (22.90)	9.30 (236.2)	5.45 (138.4)													•	•							•

CONVOLUTED BOOTS	CABLE O.D.		LENGTH ± 10%	MAX. 90° LENGTH	CA/MS CA-B-M DZ (MIL-DTL-5015 STYLE) SHELL SIZE																			
	MAX.	MIN.			10SL	12S	14S	16S/16	18	20	22	24	28	32	36									
313C732-9W24	0.70 (17.8)	0.32 (8.1)	5.25 (133.4)	2.67 (67.80)	•																			
313C743-9W24	1.06 (26.9)	0.50 (12.7)	5.75 (146.1)	2.89 (73.4)	•	•	•	•	•															
313C753-9W24	1.44 (36.6)	0.69 (17.5)	6.25 (158.8)	3.08 (78.20)				•	•	•	•	•	•											
313C764-9W24	1.80 (45.7)	0.88 (22.4)	6.75 (171.5)	3.26 (82.8)							•	•	•	•	•						•			
313C774-9W24	2.15 (54.6)	0.90 (22.90)	9.30 (236.2)	5.45 (138.4)																	•	•		•

All dimensions in inches (millimeters in parenthesis)

BLACK POLYOLEFIN CONVOLUTED BOOTS

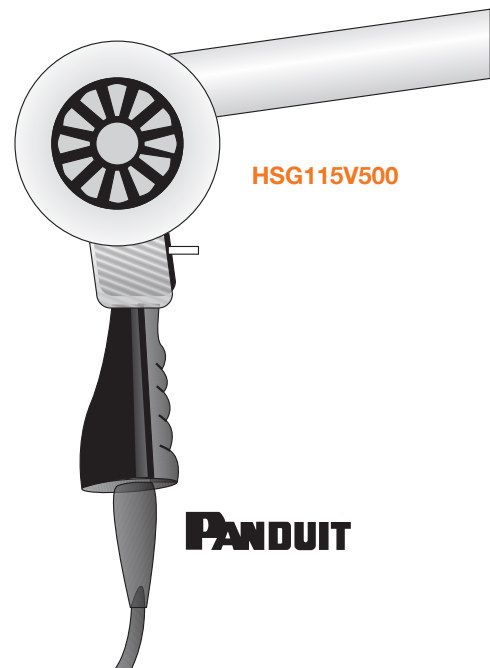
CONVOLUTED BOOTS	CABLE O.D.		LENGTH ± 10%	MAX. 90° LENGTH	PV M85049/60 (MIL-DTL-26482 STYLE) SHELL SIZE										KPT/KPSE DZ (MIL-DTL-26482 STYLE) SHELL SIZE															
	MAX.	MIN.			8	10	12	14	16	18	20	22	24	8	10	12	14	16	18	20	22	24								
313C732-9W24	0.70 (17.8)	0.32 (8.1)	5.25 (133.4)	2.67 (67.80)	•	•											•	•												
313C743-9W24	1.06 (26.9)	0.50 (12.7)	5.75 (146.1)	2.89 (73.4)			•	•	•	•								•	•	•	•									
313C753-9W24	1.44 (36.6)	0.69 (17.5)	6.25 (158.8)	3.08 (78.20)					•	•	•	•	•							•	•	•	•	•						
313C764-9W24	1.80 (45.7)	0.88 (22.4)	6.75 (171.5)	3.26 (82.8)										•	•	•	•						•	•	•	•				
313C774-9W24	2.15 (54.6)	0.90 (22.90)	9.30 (236.2)	5.45 (138.4)																									•	

CONVOLUTED BOOTS	CABLE O.D.		LENGTH ± 10%	MAX. 90° LENGTH	KPT/KPSE DN (MIL-DTL-26482 STYLE) SHELL SIZE										KJL/KJ M85049/69 KJA M85049/62 & KJA M85049/69 (MIL-DTL-38999 STYLE) SHELL SIZE																
	MAX.	MIN.			8	10	12	14	16	18	20	22	24	8/9	10/11	12/13	14/15	16/17	18/19	20/21	22/23	24/25									
313C732-9W24	0.70 (17.8)	0.32 (8.1)	5.25 (133.4)	2.67 (67.80)	•	•											•	•													
313C743-9W24	1.06 (26.9)	0.50 (12.7)	5.75 (146.1)	2.89 (73.4)		•	•	•	•									•	•	•	•										
313C753-9W24	1.44 (36.6)	0.69 (17.5)	6.25 (158.8)	3.08 (78.20)			•	•	•	•	•	•									•	•	•	•	•						
313C764-9W24	1.80 (45.7)	0.88 (22.4)	6.75 (171.5)	3.26 (82.8)	•	•	•	•	•	•								•	•	•											
313C774-9W24	2.15 (54.6)	0.90 (22.90)	9.30 (236.2)	5.45 (138.4)										•																	

Note: Allow 20% recovery for proper bonding of adhesive liner.
All dimensions in inches (millimeters in parenthesis)

HEAT GUN

The Panduit HSG115V500 heat gun is a general-purpose tool designed for all types of heat shrink boots and tubing. The air intake adjustment varies temperature from 500°F (260°C) to 650°F (344°C). The unit operates on 115 Vac at 11 amps. The tool comes with an adjustable stand and a neoprene AC cord. The bearings, brushes and heating element are replaceable.



PMA ADAPTERS



PMAFIX Adapters are manufactured from specially-formulated polyamids that are self-extinguishing, free of halogen and cadmium and are extremely shock-resistant.

Simple mounting with locking clips ensures high pullout values and a vibration-free connection to PMAFLEX conduit. Using a snap-to-close clip fastening, PMAFIX connectors feature a unique safety mechanism that can only be released with a screwdriver. These connectors are ideal for use in applications where the cable protection system requires a high degree of sealing and safety.

 = Sealed to IP68 all others IP67

FOR MIL-DTL-5015, MS310-, CB, CT, CA-B AND MS-E/F/R STYLES

SHELL SIZE	CONNECTOR BARREL	THREADED A/B ENDBELL	PMA CONDUIT SIZE						
			10	12	17	23	29	36	48
8S		●	Contact us	Contact us					
10S	●		BFIBM-U120T	Contact us					
10SL		●	BVIRA-U150	BVIRA-U152					
12S/12	●	●	BVIRA-U150	BVIRA-U152					
12SL		●	BVIRA-U180	BVIRA-U182	BVIRA-U187				
14S/14	●	●	BVIRA-U180	BVIRA-U182	BVIRA-U187				
16S/16	●	●		BVIVG-U212	BVIVG-U217				
18	●	●		BVIVG-U242	BVIVG-U247	BVIVG-U243			
20	●	●		BVIVG-U292	BVIVG-U297	BVIVG-U293	BVIVG-U299		
22		●		BVIVG-U292	BVIVG-U297	BVIVG-U293	BVIVG-U299		
24		●		BVIVG-U352	BVIVG-U357	BVIVG-U353	BVIVG-U359	BVIVG-U356	
28		●		BVIVG-U352	BVIVG-U357	BVIVG-U353	BVIVG-U359	BVIVG-U356	
32		●			BVIVG-U437	BVIVG-U433	BVIVG-U439	BVIVG-U436	
36		●				BVIVG-U503	BVIVG-U509	BVIVG-U506	BVIVG-U508
40		●				BVIVG-U563	BVIVG-U569	BVIVG-U566	BVIVG-U568

FOR MIL-DTL-26482 SERIES 1 STYLES

SHELL SIZE	KPT/PTSE CONNECTOR BARREL	KPT/PTSE A ENDBELL	PMA CONDUIT SIZE						
			10	12	17	23	29	36	48
8		●	Contact us	Contact us					
10	●		BFIBM-U120T	Contact us					
		●	BVIRA-U150	BVIRA-U152					
12	●			BVIRB-U162					
		●	BVIRA-U180	BVIRA-U182	BVIRA-U187				
14		●		BVIVG-U212	BVIVG-U217				
	●			BVIVB-U202					
16	●			BVIRB-U232	BVIRB-U237				
18	●			BVIRB-U262	BVIRB-U267				
20	●	●			BVIVG-U297	BVIVG-U293	BVIVG-U299	BVIVG-U296*	
22	●					BVIRB-U323			
		●			BVIRB-U357	BVIRB-U353	BVIRB-U359		
24	●	●			BVIVG-U357	BVIVG-U353	BVIVG-U359		

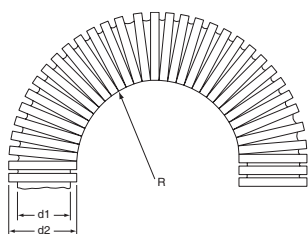
*Uses an additional thread adapter

FOR MIL-DTL-26482 SERIES 2 STYLES

SHELL SIZE	PV/MS347_ CONNECTOR BARREL	PMA CONDUIT SIZE						
		10	12	17	23	29	36	48
8	●		BVIVG-U242	BVIVG-U247	BVIVG-U243			
10	●		BVIRA-U150	BVIRA-U152				
12	●		BVIRA-U180	BVIRA-U182	BVIRA-U187			
14	●			BVIVG-U212	BVIVG-U217			
16	●			BVIVG-U242	BVIVG-U242			
18	●			BVIRB-U262†	BVIRB-U267			
20	●			BVIVG-U292	BVIVG-U297	BVIVG-U293	BVIVG-U299	
22	●					BFILB-U323		
24	●				BVIVG-U357	BVIVG-U353	BVIVG-U359	BVIVG-U356

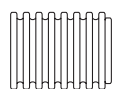
† Special - please contact us

PMAFLEX PCS

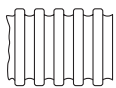


PMAFLEX PCS heavy-duty cable conduits are manufactured using modified polyamides that are free of halogen and cadmium. These impact-resistant conduits are rugged, easy to install and provide excellent resistance to UV rays and environmental corrosion. They are CSA-approved (227.3) and UL-recognized: File # E-80294. Temperature range -58°F to 221°F (-50°C to 105°C)

CONDUIT SIZE	PART NUMBER	PUT UP FEET (METERS)	D1	D2	STATIC NON-FLEXING BEND RADIUS	DYNAMIC FLEXING BEND RADIUS
T (THIN PROFILE) TIGHT BEND RADIUS						
10	PCST-10B	164 (50)	0.362 (9.2)	0.512 (13.0)	0.787 (20.0)	1.969 (50.0)
12	PCST-12B	164 (50)	0.465 (11.8)	0.622 (15.8)	0.984 (25.0)	2.756 (70.0)
17	PCST-17B	164 (50)	0.630 (16.0)	0.835 (21.2)	1.378 (35.0)	3.150 (80.0)
G (LARGE PROFILE) HIGH PULL-OUT STRENGTH						
17	PCSG-17B	164 (50)	0.598 (15.2)	0.835 (21.2)	1.378 (35.0)	3.346 (85.0)
23	PCSG-23B	164 (50)	0.866 (22.0)	1.122 (28.5)	1.575 (40.0)	4.331 (110.0)
29	PCSG-29B	164 (50)	1.091 (27.7)	1.354 (34.4)	1.969 (50.0)	5.118 (130.0)
36	PCSG-36B	98 (30)	1.409 (35.8)	1.669 (42.4)	2.362 (60.0)	7.087 (180.0)
48	PCSG-48B	98 (30)	1.843 (46.8)	2.142 (54.4)	2.756 (70.0)	8.661 (220.0)



T-PROFILE



G-PROFILE

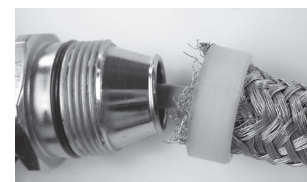
Note: A wide array of conduits are available including high-temperature or ultraflexible for robotics.

F.CK SCREENING BRAID



F.CK Screening Braid is made of tin-plated copper and is supplied on a tube former. The tube former prevents the material from folding and greatly simplifies installation. This product is used in applications that require shielding from electromagnetic fields. F.CK Screening Braid is used over wires or cables but inside conduit.

Temperature range -103°F to 842°F (-75°C to 450°C).
Up to 95% electrical coverage.



NOTE: Contact us for EMI endbell adapters

PART NUMBER	WIRING	CROSS SECTION INCH ² (MM ²)	OPERATING RANGE INCH (MM)		WEIGHT PER 100 M LBS. (KG)	PCS CONDUIT SIZE
			MIN.	MAX.		
F.CK03	16X5X0.12	.035 (0.9)	.098 (2.5)	.138 (3.5)	2.86 (1.3)	-
F.CK04	16X7X0.12	.050 (1.3)	.118 (3.0)	.196 (5.0)	3.74 (1.7)	-
F.CK06	24X7X0.12	.075 (1.9)	.177 (4.5)	.354 (9.0)	4.62 (2.1)	07
F.CK10	24X9X0.14	.131 (3.3)	.275 (7.0)	.472 (12.0)	11.00 (5.5)	10
F.CK12.5	24X10X0.14	.145 (3.7)	.433 (11.0)	.551 (14.0)	16.06 (7.3)	12
F.CK15	24X11X0.20	.326 (8.3)	.512 (13.0)	.708 (18.0)	25.30 (11.5)	17
F.CK20	48X16X0.12	.342 (8.7)	.630 (16.0)	1.500 (38.0)	33.70 (15.3)	23
F.CK25	48X18X0.14	.524 (13.3)	.866 (22.0)	1.570 (40.0)	45.50 (20.7)	23, 29
F.CK30	48X20X0.15	.667 (16.9)	1.06 (27.0)	1.690 (43.0)	68.20 (31.0)	29, 36
F.CK35	48X20X0.15	.667 (16.9)	1.30 (33.0)	1.850 (47.0)	93.50 (42.5)	36, 48

All dimensions in inches (millimeters in parenthesis)

CONNECTOR TOOLS

TG70 STRAP WRENCH



The strap wrench is used to connect or disconnect coupling nuts in a confined space, or to tighten or loosen endbells without damaging the connector plating. A strap wrench also increases torque, allowing you to more easily mate or unmate a connector pair. Substitute tools, such as a pipe wrench or pliers, should never be used because of the high probability of severe damage to the connector plating or the coupling mechanism.

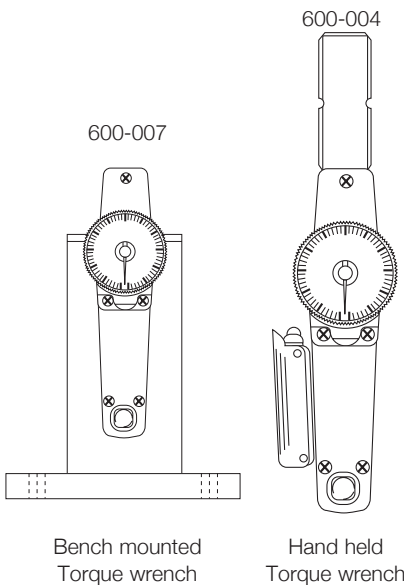
TG69P NON-MARRING ADJUSTABLE ENDBELL PLIERS FOR FIELD SERVICE



The strap wrench is used to connect or disconnect coupling nuts in a confined space, or to tighten or loosen endbells without damaging the connector plating. A strap wrench also increases torque, allowing you to more easily mate or unmate a connector pair. Substitute tools, such as a pipe wrench or pliers, should never be used because of the high probability of severe damage to the connector plating or the coupling mechanism.

600 SERIES PRODUCTION SYSTEM

The 600 Series is a complete system for the proper assembly and torquing of connector endbells. The system includes a bench mounted or hand-held torque wrench, plug and receptacle holders, and a range of endbell tightening tools. When used together, these tools provide the user with consistent endbell installations. Each item is shipped with detailed assembly instructions.



PLUG AND RECEPTACLE HOLDERS

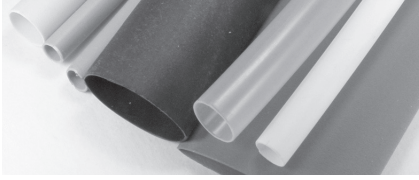


SHELL SIZE	MIL-DTL-5015 FOR MSE, F, B, R, CA, CB, CT		MIL-DTL-26482 FOR KPT, KPSE, PV, MS311, MS347	
	RECEPTACLES	PLUGS	RECEPTACLES	PLUGS
	8/8S	600B005-8R	600B005-8P	600D005-8R
10S/10SL	600B005-10R	600B005-10P	600D005-10R	600D005-10P
12/12S	600B005-12R	600B005-12P	600D005-12R	600D005-12P
14/14S	600B005-14R	600B005-14P	600D005-14R	600D005-14P
16/16S	600B005-16R	600B005-16P	600D005-16R	600D005-16P
18	600B005-18R	600B005-18P	600D005-18R	600D005-18P
20	600B005-20R	600B005-20P	600D005-20R	600D005-20P
22	600B005-22R	600B005-22P	600D005-22R	600D005-22P
24	600B005-24R	600B005-24P	600D005-24R	600D005-24P
28	600B005-28R	600B005-28P	-	-
32	600B005-32R	600B005-32P	-	-
36	600B005-36R	600B005-36P	-	-

SIZE	MIL-DTL-38999 SERIES I FOR KJL		MIL-DTL-38999 SERIES II FOR KJ		MIL-DTL-38999 SERIES III FOR KJA / KJB			
	RECEPTACLES	PLUGS	RECEPTACLES	PLUGS		RECEPTACLES	PLUGS	
	9	600F005-9R	600F005-9P	600FF005-8R	600FF005-8P	A	9	600H005-9R#
11	600F005-11R	600F005-11P	600FF005-10R	600FF005-10P	B	11	600H005-11R#	600H005-11P#
13	600F005-13R	600F005-13P	600FF005-12R	600FF005-12P	C	13	600H005-13R#	600H005-13P#
15	600F005-15R	600F005-15P	600FF005-14R	600FF005-14P	D	15	600H005-15R#	600H005-15P#
17	600F005-17R	600F005-17P	600FF005-16R	600FF005-16P	E	17	600H005-17R#	600H005-17P#
19	600F005-19R	600F005-19P	600FF005-18R	600FF005-18P	F	19	600H005-19R#	600H005-19P#
21	600F005-21R	600F005-21P	600FF005-20R	600FF005-20P	G	21	600H005-21R#	600H005-21P#
23	600F005-23R	600F005-23P	600FF005-22R	600FF005-22P	H	23	600H005-23R#	600H005-23P#
25	600F005-25R	600F005-25P	600FF005-24R	600FF005-24P	J	25	600H005-25R#	600H005-25P#

Add polarizations: N, A, B, C, D, E

HEAT SHRINK TUBING



Heat Shrink Tubing are supplied in various shrink ratios, materials and thickness. Available in several colors with a wide range of operating temperatures, most are flame retardant. Lined tubing forms a bond to the underlying surface filling small voids. When cool this creates a barrier against water, moisture, dirt and other contaminants. Custom lengths are available. Contact us for ordering information.

CPX100 FEATURES

Thin Wall Flexible Polyolefin
 Flame Retardant except Clear
 Continuous Operating Temperature:
 -55° to 135° C (-67° to 275° F)
 Shrink Temperature: 120° C (248° F)
 Meets UL224, CSA C22.2 No. 198.1
 MIL-DTL-23053/5 Class 1&2
 AMS3636& 3637, DEF STAN 59-97
 Issue 3, Type 2a
 Other Colors Available: Red,
 White, Blue, Yellow, Green, Clear
 Packing: Spools and 48" sticks

CPA100 FEATURES

Thin Dual Wall Flexible Polyolefin
 Flame Retardant except Clear
 Continuous Operating Temperature:
 -55° to 135° C (-67° to 275° F)
 Shrink Temperature: 120° C (248° F)
 Meets MIL-DTL-23053/4 Class 3
 Other Colors Available:
 Red, Blue, Clear
 Packing: Spools and 48" sticks

CFHR FEATURES

Heavy Wall Crosslinked Polyolefin
 Continuous Operating Temperature:
 -55° to 135° C (-67° to 275° F)
 Shrink Temperature: 120° C (248° F)
 Thermoplastic Adhesive Liner for
 environmental protection & insulation
 Packaging: 6" or 48" sticks

DERAY IHKT FEATURES

Thin Dual Wall Flexible Polyolefin
 Flame Retardant
 Continuous Operating Temperature:
 -55° to 135° C (-67° to 275° F)
 Shrink Temperature: 100° C (212° F)
 Meets VG95343, Part 12, type D
 Other Colors Available:
 Red, Blue, Clear
 Packing: 48" sticks

CPX100 HEAT SHRINK (2:1 RATIO)		CABLE OD	
		MAX.	MIN.
CPX100-0047-BLK	3/64"	0.047	0.023
CPX100-0063-BLK	1/16"	0.063	0.031
CPX100-0094-BLK	3/32"	0.094	0.047
CPX100-0125-BLK	1/8"	0.125	0.063
CPX100-0187-BLK	3/16"	0.188	0.094
CPX100-0250-BLK	1/4"	0.25	0.125
CPX100-0312-BLK	5/16"	0.313	0.188
CPX100-0375-BLK	3/8"	0.375	0.25
CPX100-0500-BLK	1/2"	0.5	0.313
CPX100-0750-BLK	3/4"	0.75	0.375
CPX100-1000-BLK	1"	1	0.5
CPX100-1250-BLK	1 1/4"	1.25	0.625
CPX100-1500-BLK	1 1/2"	1.5	0.75
CPX100-2000-BLK	2"	2	1
CPX100-3000-BLK	3"	3	1.5
CPX100-4000-BLK	4"	4	2

CPA100 HEAT SHRINK (3:1 RATIO)		CABLE OD	
		MAX.	MIN.
CPA100-0125-BLK	1/8"	0.125	0.04
CPA100-0187-BLK	3/16"	0.188	0.06
CPA100-0250-BLK	1/4"	0.25	0.08
CPA100-0312-BLK	5/16"	0.313	0.1
CPA100-0375-BLK	3/8"	0.375	0.125
CPA100-0500-BLK	1/2"	0.5	0.16
CPA100-0750-BLK	3/4"	0.75	0.25
CPA100-1000-BLK	1"	1	0.32
CPA100-1250-BLK	1 1/4"	1.25	0.416
CPA100-1500-BLK	1.57"	1.57	0.51

DERAY IHKT HEAT SHRINK (4:1 RATIO)	CABLE OD	
	MAX.	MIN.
DERAYIHKT-0157-BLK-4FTSTK	0.157	0.039
DERAYIHKT-0315-BLK-4FTSTK	0.315	0.08
DERAYIHKT-0472-BLK-4FTSTK	0.472	0.118
DERAYIHKT-0630-BLK-4FTSTK	0.63	0.16
DERAYIHKT-0945-BLK-4FTSTK	0.945	0.24
DERAYIHKT-1260-BLK-4FTSTK	1.26	0.315
DERAYIHKT-2047-BLK-4FTSTK	2.047	0.512

CFHR HEAT SHRINK (6:1 RATIO)	CABLE OD	
	MAX.	MIN.
CFHR-0750-BLK-LINED-4FTSTK	0.75	0.125
CFHR-1300-BLK-LINED-4FTSTK	1.3	0.22
CFHR-1750-BLK-LINED-4FTSTK	1.75	0.29
CFHR-2000-BLK-LINED-4FTSTK	2	0.33
CFHR-2750-BLK-LINED-4FTSTK	2.75	0.46
CFHR-3500-BLK-LINED-4FTSTK	3.5	0.673
CFHR-4700-BLK-LINED-4FTSTK	4.7	0.9

All dimensions in inches

PG CORD GRIPS

ML – METAL LONG WITH FLEX RELIEF NICKEL PLATED BRASS



CABLE RANGE					
5015 SHELL SIZE	PART # DESCRIPTION	MIN (MM)	MAX (MM)	MIN INCH	MAX INCH
10SL/12S	PG9ML1	(4.0)	(6.5)	0.157	0.256
10SL/12S	PG9ML2	(7.5)	(9.5)	0.295	0.374
14S	PG11ML1	(6.5)	(9.5)	0.256	0.374
14S	PG11ML2	(7.0)	(10.5)	0.276	0.413
16S/16/18	PG13.5ML1	(6.5)	(9.5)	0.256	0.374
16S/16/18	PG13.5ML2	(8.5)	(10.5)	0.335	0.413
20/22/24	PG16ML1	(6.8)	(9.5)	0.268	0.374
20/22/24	PG16ML2	(7.0)	(10.5)	0.276	0.413
20/22/24	PG16ML3	(9.5)	(13.0)	0.374	0.512
28	PG21ML1	(9.0)	(13.0)	0.354	0.512
28	PG21ML2	(13.0)	(15.5)	0.512	0.610
28	PG21ML3	(14.0)	(18.0)	0.551	0.709
32/36	PG29ML1	(17.0)	(21.0)	0.669	0.827
32/36	PG29ML2	(21.0)	(25.0)	0.827	0.984

MS – METAL SHORT WITH NICKEL PLATED BRASS



CABLE RANGE					
5015 SHELL SIZE	PART # DESCRIPTION	MIN (MM)	MAX (MM)	MIN INCH	MAX INCH
10SL/12S	PG9MSA	(4.0)	(8.0)	0.157	0.315
10SL/12S	PG9MSR	(2.0)	(6.0)	0.079	0.236
14S	PG11MSA	(5.0)	(10.0)	0.197	0.394
14S	PG11MSR	(3.0)	(7.0)	0.118	0.276
16S/16/18	PG13.5MSA	(6.0)	(12.0)	0.236	0.472
16S/16/18	PG13.5MSR	(5.0)	(9.0)	0.197	0.354
20/22/24	PG16MSA	(10.0)	(14.0)	0.394	0.551
20/22/24	PG16MSR	(7.0)	(12.0)	0.276	0.472
28	PG21MSA	(13.0)	(18.0)	0.512	0.709
28	PG21MSR	(9.0)	(16.0)	0.354	0.630
32/36	PG29MSA	(18.0)	(25.0)	0.709	0.984
32/36	PG29MSR	(12.0)	(20.0)	0.472	0.787

PF – PLASTIC WITH SPRING FLEX RELIEF



CABLE RANGE					
5015 SHELL SIZE	PART # DESCRIPTION	MIN (MM)	MAX (MM)	MIN INCH	MAX INCH
10SL/12S	PG9PFA	(4.0)	(8.0)	0.157	0.315
10SL/12S	PG9PFR	(2.0)	(6.0)	0.079	0.236
14S	PG11PFA	(5.0)	(10.0)	0.197	0.394
14S	PG11PFR	(3.0)	(7.0)	0.118	0.276
16S/16/18	PG13.5PFA	(6.0)	(12.0)	0.236	0.472
16S/16/18	PG13.5PFR	(5.0)	(9.0)	0.197	0.354
20/22/24	PG16PFA	(10.0)	(14.0)	0.394	0.551
20/22/24	PG16PFR	(7.0)	(12.0)	0.276	0.472
28	PG21PFA	(13.0)	(18.0)	0.512	0.709
28	PG21PFR	(9.0)	(16.0)	0.354	0.630

PL – PLASTIC LONG WITH FLEX RELIEF



CABLE RANGE					
5015 SHELL SIZE	PART # DESCRIPTION	MIN (MM)	MAX (MM)	MIN INCH	MAX INCH
10SL/12S	PG9PL1	(4.0)	(6.5)	0.157	0.256
10SL/12S	PG9PL2	(7.5)	(9.5)	0.295	0.374
14S	PG11PL1	(6.5)	(9.5)	0.256	0.374
14S	PG11PL2	(7.0)	(10.5)	0.276	0.413
16S/16/18	PG13.5PL1	(6.5)	(9.5)	0.256	0.374
16S/16/18	PG13.5PL2	(8.5)	(10.5)	0.335	0.413
20/22/24	PG16PL1	(6.5)	(9.5)	0.256	0.374
20/22/24	PG16PL2	(7.0)	(10.0)	0.276	0.413
20/22/24	PG16PL3	(9.5)	(13.0)	0.374	0.512
28	PG21PL1	(9.0)	(13.0)	0.354	0.512
28	PG21PL2	(13.0)	(15.5)	0.512	0.610
28	PG21PL3	(14.0)	(18.0)	0.551	0.709
32/36	PG29PL1	(17.000)	(21.000)	0.669	0.827
32/36	PG29PL2	(21.000)	(25.000)	0.827	0.984

All dimensions in inches (millimeters in parenthesis)

PG CORD GRIPS

PS – PLASTIC SHORT



CABLE RANGE					
5015 SHELL SIZE	PART # DESCRIPTION	MIN (MM)	MAX (MM)	MIN INCH	MAX INCH
10SL/12S	PG9PSA	(4.0)	(8.0)	0.157	0.315
10SL/12S	PG9PSR	(2.0)	(6.0)	0.079	0.236
14S	PG11PSA	(5.0)	(10.0)	0.197	0.394
14S	PG11PSR	(3.0)	(7.0)	0.118	0.276
16S/16/18	PG13.5PSA	(6.0)	(12.0)	0.236	0.472
16S/16/18	PG13.5PSR	(5.0)	(9.0)	0.197	0.354
20/22/24	PG16PSA	(10.0)	(14.0)	0.394	0.551
20/22/24	PG16PSR	(7.0)	(12.0)	0.276	0.472
28	PG21PSA	(13.0)	(18.0)	0.512	0.709
28	PG21PSR	(9.0)	(16.0)	0.354	0.630
32/36	PG29PSA	(18.0)	(25.0)	0.709	0.984
32/36	PG29PSR	(12.0)	(20.0)	0.472	0.787

CG CORD GRIPS - METAL SHORT SHIELDED



5015 SHELL SIZE	DESCRIPTION	CABLE				SHIELD			
		MIN (MM)	MAX (MM)	MIN INCH	MAX INCH	MIN (MM)	MAX (MM)	MIN INCH	MAX INCH
10SL/12S	PG9MSS1	(4.0)	(6.5)	0.157	0.256	(1.5)	(4.0)	0.059	0.157
10SL/12S	PG9MSS2	(6.5)	(9.5)	0.256	0.374	(2.5)	(6.5)	0.098	0.256
10SL/12S	PG9MSS3	(8.0)	(10.5)	0.315	0.413	(3.5)	(8.5)	0.138	0.335
14S	PG11MSS1	(6.5)	(9.5)	0.256	0.374	(3.5)	(8.5)	0.138	0.335
14S	PG11MSS2	(8.0)	(10.5)	0.315	0.413	(3.5)	(8.5)	0.138	0.335
14S	PG11MSS3	(9.0)	(13.0)	0.354	0.512	(6.5)	(10.5)	0.256	0.413
16S/16/18	PG13.5MSS1	(6.5)	(9.5)	0.256	0.374	(2.5)	(6.5)	0.098	0.256
16S/16/18	PG13.5MSS2	(7.0)	(10.5)	0.276	0.413	(3.0)	(8.0)	0.118	0.315
16S/16/18	PG13.5MSS3	(9.0)	(13.0)	0.354	0.512	(6.5)	(10.5)	0.256	0.413
20/22/24	PG16MSS1	(6.5)	(9.5)	0.256	0.374	(3.5)	(8.0)	0.138	0.315
20/22/24	PG16MSS2	(7.0)	(10.5)	0.276	0.413	(4.5)	(8.0)	0.177	0.315
20/22/24	PG16MSS3	(9.0)	(13.0)	0.354	0.512	(4.5)	(8.0)	0.177	0.315
28	PG21MSS1	(11.5)	(15.5)	0.453	0.610	(9.5)	(13.5)	0.374	0.531
28	PG21MSS2	(17.0)	(20.0)	0.669	0.787	(13.0)	(18.0)	0.512	0.709
28	PG21MSS3	(20.0)	(25.0)	0.787	0.984	(15.0)	(21.0)	0.591	0.827
32/36	PG29MSS1	(17.0)	(20.5)	0.669	0.807	(13.0)	(18.0)	0.512	0.709
32/36	PG29MSS2	(20.0)	(25.0)	0.787	0.984	(15.0)	(20.0)	0.591	0.787
32/36	PG29MSS3	(24.0)	(28.0)	0.945	1.102	(18.0)	(25.5)	0.709	1.004
32/36	PG29MSS4	(27.0)	(32.0)	1.063	1.260	(24.0)	(31.0)	0.945	1.220

Contact us for shielding effectiveness information

HOW TO ORDER CA/MS CONNECTORS

1	2	3	4	5
CA3108E	10SL-3	P	-	F80
STYLE	LAYOUT	CONTACT	ROTATION	MODIFIER

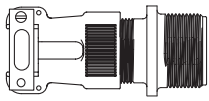
(Commercial example)

1	2	3	4
MS3108E	10SL-3	P	-
STYLE	LAYOUT	CONTACT	ROTATION

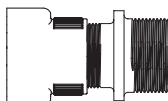
(Military example)

STEP 1: SELECT CONNECTOR TYPE

Wall Mount



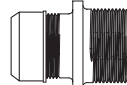
MS3100E
MS3100F (QPL)
CA3100E



MS3100R (QPL)
CA3100R



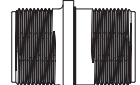
CA3100F
CA00F



MS3103
CA3100ER

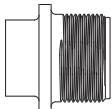


BULK HEAD
BFR

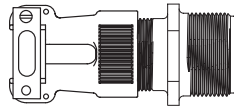


THRU BULK
HEAD TBF

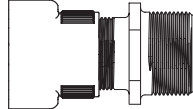
InLine Cable Receptacles (Plugs*)



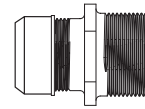
BOX MOUNT
MS3102E
MS3102R (QPL)
CA3102E
CA3102R



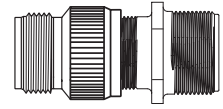
MS3101E
MS3101F (QPL)
CA3101E



MS3101R (QPL)
CA3101R



CA3101ER



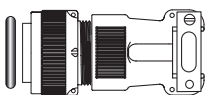
CA3101F
CA01F

↑
RECEPTACLES

Mates with

↓
THREADED PLUGS
↓

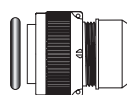
Straight Plugs



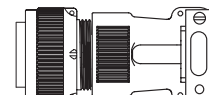
MS3106F (QPL)
CA06R



MS3106R (QPL)
CA3106R



MS25183
CA3106ER

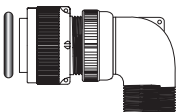


MS3106E
CA3106E

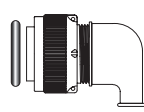


CA3106F
CA06F

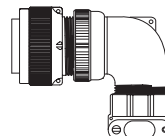
Right Angle Plugs



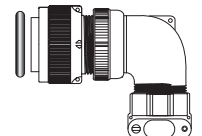
MS3108R (QPL)
CA3108R



CA3108ER



MS3108E
CA3108E



CA3108F
CA08F

STEP 2: CHOOSE LAYOUTS

↓
See pages ⇨ 104 -117

STEP 3: CHOOSE CONTACT

P = Pin

S = Socket

PS = TBF only

STEP 4: CHOOSE ROTATION

See pages ⇨ 109 - 117 (omit for normal)

W

X

Y

Z

STEP 5: CHOOSE MODIFICATION CODE

(Not MS approved, commercial only)

- ↓
- A34** - Bright Nickel (EU)
 - A71** - Electroless nickel plating
 - A95** - Gold over silver plating on contacts
 - A105** - Clear chromate over cadmium, equivalent to Type II, Class 3 of QQ-P-416
 - A152** - Gold over nickel plating on contacts 50 micro. in.
 - A176** - Gold over nickel plating on contacts 20 micro. in.
 - A206** - Conductive Black Zinc Cobalt (RoHS)
 - A231** - Green Zinc (EU)
 - A232** - Black Zinc Cobalt (EU)
 - F0** - (See F80F0) Connector less contacts
 - F1** - Small flange, (Obsolete use F77 for MS E/F/R only)
 - F8** - Thermocouple (Iron-Constantan-Copper) Call for assigned part number
 - F9** - Thermocouple (Alumel-Chromel-Copper) Call for assigned part number
 - F16** - Plastic dust cap over mating end
 - F26** - Complete connector less coupling nut and O-ring/gasket
 - F42** - Less endbell, grommet, ferrule, friction ring and all parts to the rear of the shell
 - F74** - 1/16" gasket (potting gasket) under coupling nut
 - F77** - Small flange for MS E/F/R only Call for Availability
 - F80** - Crimp contacts
 - F80F0** - Crimp contact connector shipped less contacts (part will be marked F80)
 - F85** - Less grommet and ferrule
 - F97** - Less endbell, with grommet and ferrule
 - F127** - RoHS compliant silver plated solder contacts
 - F137** - O-Ring under coupling nut
 - F178** - No Cable Clamp on 3108 style
 - F183** - Metric crimp contacts
 - F187** - MS3420 type bushing size per MS3057
 - K10** - A95 and F80 mod codes combined
 - L/G** - Less grommet