



CCB CPE CIRCULAR BACKSHELL



Company History and new Targets

CPE is a family company founded in 1978 and established in Milan, Italy.

The business started as trading company of connectors and cables, addressing defense, and telecommunication.

After few years of activity It has been natural consequence moving from trading company to manufacturing company, pursuing high specialization in harnesses assembly and connector production.

As the spirit of CPE ITALIA has always been and still is to be customer «allied», the founder sustained the growth of the company by opening new production sites around the globe.

CPE ITALIA is now a Group of about 400 people with production facilities in Brazil, China, Italy, Mexico, Romania, branch offices in Nord America and India, headquarters in Milan.

Extensive knowledge in sectors such as Defense, Broadcasting, Communication Infrastructure, Medical, Transportation, Nuclear, Oceanographic Installations.

It is CPE main focus to support any customer need by designing and developing tailored solutions.





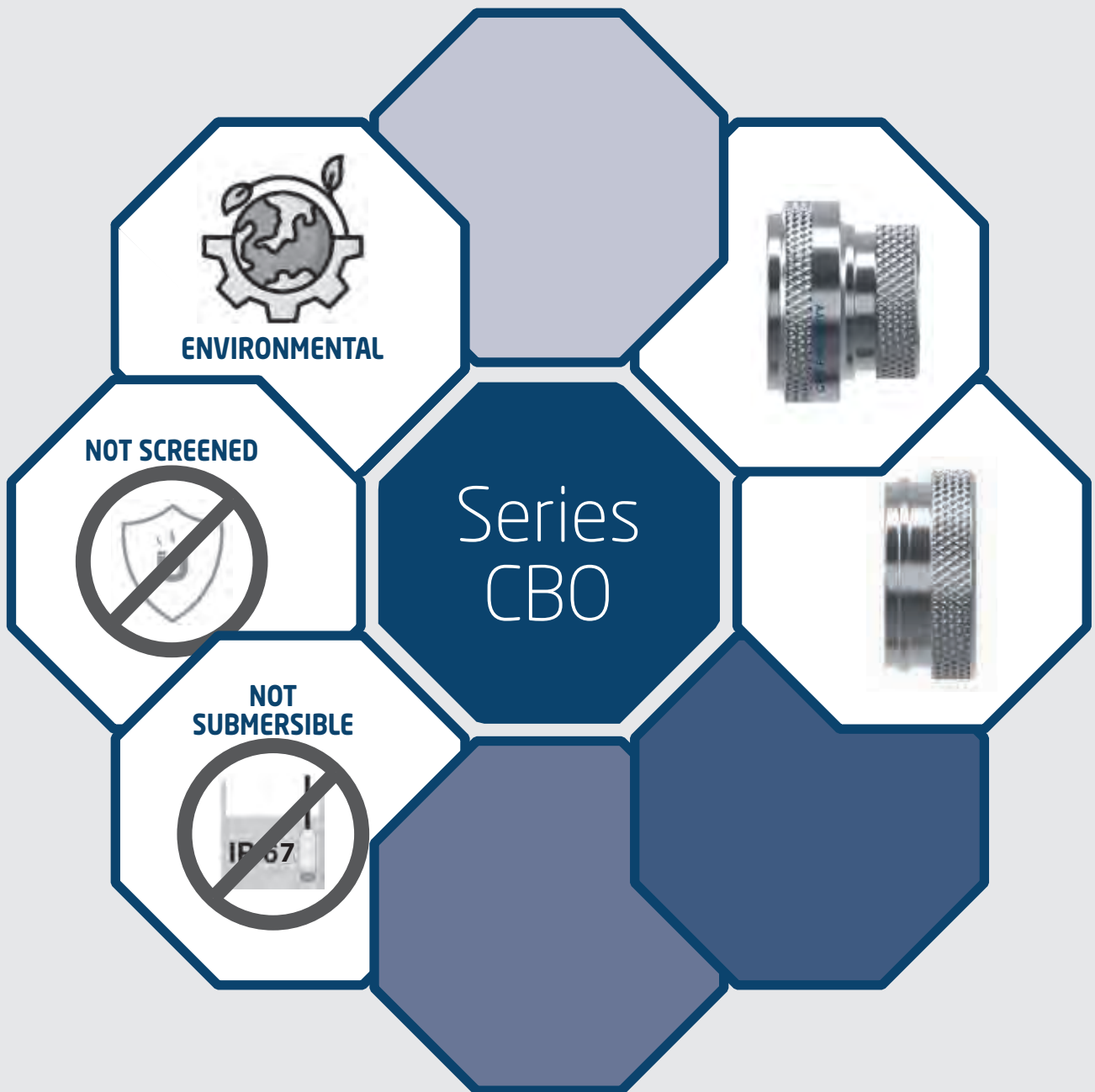
Ready to charge Italy



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**FULLY EQUIPPED TO
SUPPORT FTTx Deployment**
Training Equipments Components

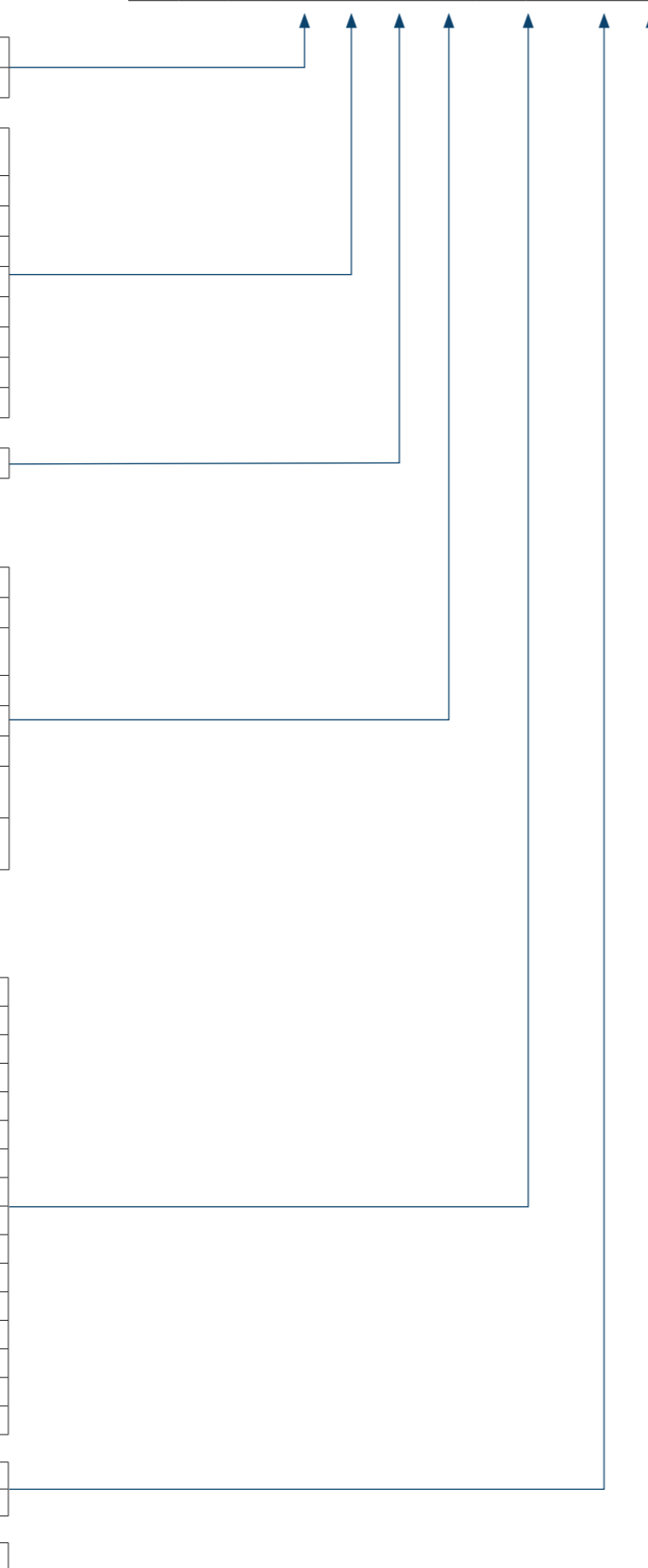


Environmental adapter for Shrink Boot, Non-Screened
Direct Coupling or Rotatable Coupling
Only Straight angle

Series CBO - THE PART NUMBER KEY

1	2	3	4	5	6	7	8			
1	2	3	4	5	6	7	8	9	10	11
CBO		X	X	X	X	XX	X	X		

TYPE								
2	ROTATABLE	0						
	DIRECT	2						
CONNECTORS INTERFACE								
3	MIL-DTL-5015 MS3400; MIL-DTL-26482 SERIES 2; MIL-DTL-83723 SERIES 3; MIL-DTL83723 SERIES I & III; 40M39569/CECC75201.001 / DEF 5326-3; EN2997/EN3646/ESC10/ESC11/LN29504; NFC93422 SERIES HE302; PAN6432-1 / PAN6432-2 / PATT602	A						
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS A BLUE	B						
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 BENDIX CLASS A, E, R	M						
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 ITT CANON CLASS A, E, R	N						
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS R	P						
	MIL-DTL-26482 SERIES 1 SOLDER MS3110 & MS3116	D						
	MIL-DTL-38999; SERIES I & II; 40M38277; NFC93422 SERIES HE308, HE309; PAN 6433-1 / PATT 614 / PATT 616	F						
	MIL-DTL-38999; SERIES III & IV; EN3645 / CECC 75201.002 PATT 105 / PATT 603 / PATT 608	S						
ANGLE								
4	STRAIGHT	S						
MATERIAL & PLATING								
Material	Plating	Process	Salt Spray Hours	Temperature Range (°C)	Conductive Yes/No	ROHS compliance		
MARINE BRONZE	SHOTBLAST NONREFLECTIVE		1000	-65 TO 200		YES	B	
ALUMINUM	ANODIZE BLACK	AMS-A-8625 TYPE II CLASS 2	336	-65 TO +175	NO	YES	C	
ALUMINUM	ELECTROLESS NICKEL	AMS-C-26074 CLASS 4 GRADE B, ASTM-B-733, SC 2, TYPE IV	48	-65 TO +200	YES	YES	F	
5	ALUMINUM	ANODIZE HARDCOAT, BLACK	AMS-A-8625 TYPE III, CLASS 2, 001» THICK	336	-65 TO +200	NO	YES	G
	STAINLESS STEEL	PASSIVATE	SAE-AMS-SAE-AMS-QQ-P-35 TYPE VI	1000	-65 TO +200	YES	YES	K
	ALUMINUM	ZINC NICKEL, BLACK	ASTM B841 GRADE 5 OVER ELECTROLESS NICKEL	500	-65 TO +175	YES	YES	J
	ALUMINUM	CADMIUM, OLIVE DRAB	SAE-AMS-QQ-P-416 TYPE II CLASS 2 OVER ELECTROLESS NICKEL	1000	-65 TO +175	YES	NO	W
	ALUMINUM	ZINC-COBALT, BLACK	ASTM B840 GRADE 6 TYPE D OVER ELECTROLESS NICKEL	350	-65 TO +175	YES	YES	Z
SHELL SIZE**								
ROTATABLE COUPLING			DIRECT COUPLING			Ø J MIN in - mm		
Ø H MAX in - mm	S REF in - mm	LR MAX in - mm	S REF in - mm	LD MAX in - mm				
0.53 - 13.5	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.250 - 6.4	08 or 09		
0.61 - 15.4	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.375 - 9.5	10 or 11		
0.77 - 19.7	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.375 - 9.5	12 or 13		
0.84 - 21.3	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.438 - 11.1	14 or 15		
0.96 - 24.5	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.563 - 14.3	16 or 17		
1.04 - 26.5	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.625 - 15.9	18 or 19		
1.22 - 30.9	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.750 - 19.1	20 or 21		
1.36 - 34.4	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	0.875 - 22.2	22 or 23		
1.44 - 36.7	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	1.000 - 25.4	24 or 25		
1.63 - 41.3	0.41 - 10.3	0.85 - 21.6	0.41 - 10.3	0.50 - 12.8	1.188 - 30.2	28 or 29		
1.88 - 47.6	0.56 - 14.3	1.01 - 25.8	0.56 - 14.3	0.66 - 16.7	1.438 - 36.5	32 or 33		
2.06 - 52.4	0.56 - 14.3	1.01 - 25.8	0.56 - 14.3	0.66 - 16.7	1.625 - 41.3	36		
2.31 - 58.7	0.56 - 14.3	1.01 - 25.8	0.56 - 14.3	0.66 - 16.7	1.875 - 47.6	40		
2.313 - 65.1	0.56 - 14.3	1.01 - 25.8	0.56 - 14.3	0.66 - 16.7	2.313 - 58.7	44		
2.81 - 71.4	0.56 - 14.3	1.01 - 25.8	0.56 - 14.3	0.66 - 16.7	2.563 - 65.1	48		
1.44 - 36.5	0.56 - 14.3	1.01 - 25.8	0.56 - 14.3	0.66 - 16.7	1.188 - 30.2	61		
SHRINK BOOT								
7	WITHOUT SHRINK BOOT	E						
	WITH SHRINK BOOT	T						
DRAIN HOLE								
8	WITHOUT DRAIN HOLE	E						
	WITH DRAIN HOLE	D						

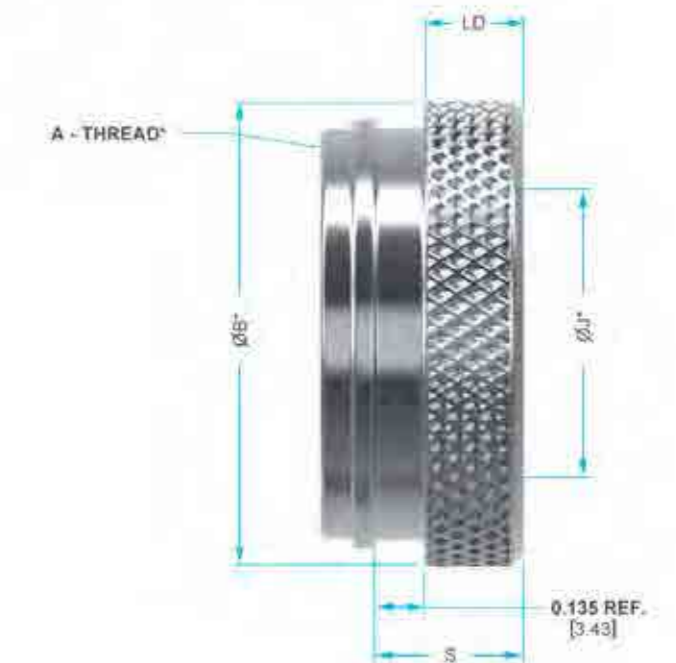


Environmental adapter
for Shrink Boot, Non-Screened
Direct Coupling or Rotatable Coupling
Only Straight angle

Angle S - Straight Rotatable Coupling



Angle S - Straight Direct Coupling



* See pages 26 to 36

** Select the size according to the connector



Environmental & Shielding Backshell EMI/RFI Lamp Base Thread.

Direct Coupling, Rotatable Coupling or Self-Locking
Straight, 45 degree or 90 degree

Series CB1 - THE PART NUMBER KEY

1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9
CB1	X	X	X	X	XX	XX	X	X

TYPE		
1	ROTATABLE	0
2	DIRECT	2
	SELF-LOCKING	4
CONNECTORS INTERFACE		
3	MIL-DTL-5015 MS3400; MIL-DTL-26482 SERIES 2; MIL-DTL-83723 SERIES 3; MIL-DTL83723 SERIES I & III; 40M39569/CECC75201.001 / DEF 5326-3; EN2997/EN3646/ESC10/ESC11/LN29504; NFC93422 SERIES HE302; PAN6432-1 / PAN6432-2 / PATT602	A
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS A BLUE	B
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 BENDIX CLASS A, E, R	M
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 ITT CANON CLASS A, E, R	N
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS R	P
	MIL-DTL-26482 SERIES 1 SOLDER MS3110 & MS3116	D
	MIL-DTL-38999; SERIES I & II; 40M38277; NFC93422 SERIES HE308, HE309; PAN 6433-1 / PATT 614 / PATT 616	F
	MIL-DTL-38999; SERIES III & IV; EN3645 / CECC 75201.002	H
	PATT 105 / PATT 603 / PATT 608	S

ANGLE		
4	STRAIGHT	S
	45°	H
	90°	J

MATERIAL & PLATING						
Material	Plating	Process	Salt Spray Hours	Temperature Range (°C)	Conductive Yes/No	ROHS compliance
MARINE BRONZE	SHOTBLAST NONREFLECTIVE		1000	-65 TO 200	YES	YES
ALUMINUM	ANODIZE BLACK	AMS-A-8625 TYPE II CLASS 2,	336	-65 TO +175	NO	YES
ALUMINUM	ELECTROLESS NICKEL	AMS-C-26074 CLASS 4 GRADE B, ASTM-B-733, SC 2, TYPE IV	48	-65 TO +200	YES	YES
ALUMINUM	ANODIZE HARDCOAT, BLACK	AMS-A-8625 TYPE III, CLASS 2, .001» THICK	336	-65 TO +200	NO	YES
STAINLESS STEEL	PASSIVATE	SAE-AMS-SAE-AMS-QQ-P-35 TYPE VI	1000	-65 TO +200	YES	YES
ALUMINUM	ZINC NICKEL, BLACK	ASTM B841 GRADE 5 OVER ELECTROLESS NICKEL	500	-65 TO +175	YES	YES
ALUMINUM	CADMIUM, OLIVE DRAB	SAE-AMS-QQ-P-416 TYPE II CLASS 2 OVER ELECTROLESS NICKEL	1000	-65 TO +175	YES	NO
ALUMINUM	ZINC-COBALT, BLACK	ASTM B840 GRADE 6 TYPE D OVER ELECTROLESS NICKEL	350	-65 TO +175	YES	YES

SHELL SIZE**				
F MAX in - mm	G MAX in - mm			
0.83 - 21.1	1.10 - 27.9			08 or 09
0.86 - 21.8	1.17 - 29.7			10 or 11
0.88 - 22.4	1.23 - 31.2			12 or 13
0.91 - 23.1	1.29 - 32.8			14 or 15
0.93 - 23.6	1.35 - 34.3			16 or 17
0.95 - 24.1	1.38 - 35.1			18 or 19
0.97 - 24.6	1.45 - 36.8			20 or 21
1.00 - 25.4	1.51 - 38.4			22 or 23

CABLE ENTRY				
Ø H MAX in - mm	Ø J in - mm	T MAX in - mm	W REF in - mm	
0.40-10.0	0.125-3.2	N/A	N/A	01
0.52-13.2	0.250-6.4	0.74-18.9	0.13-3.4	02
0.65-16.4	0.375-9.5	0.87-22.1	0.22-5.5	03
0.77-19.6	0.500-12.7	0.99-25.1	0.26-6.5	04
0.90-22.7	0.625-15.9	1.12-28.4	0.41-10.4	05
1.02-25.9	0.750-19.1	1.24-31.6	0.45-11.4	06
1.15-29.1	0.875-22.2	1.37-34.8	0.61-15.4	07
1.27-32.3	1.000-25.4	1.49-37.9	0.68-17.3	08
1.40-35.5	1.125-28.6	1.62-41.1	0.77-19.5	09
1.65-41.8	1.375-34.9	N/A	N/A	11
2.15-54.5	1.875-47.6	N/A	N/A	15
1.90-48.1	1.625-41.3	N/A	N/A	13

SHRINK BOOT		
8	WITHOUT SHRINK BOOT	E
	WITH SHRINK BOOT (NOT STRAIN RELIEF)	T
STRAIN RELIEF		
9	E-NUT STANDARD	E
	STRAIN RELIEF SR	Y

** Select the size according to the connector



Environmental & Shielding Backshell EMI/RFI Lamp Base Thread.
 Direct Coupling, Rotatable Coupling or Self-Locking
 Straight, 45 degree or 90 degree

Angle S - Straight Rotatable Coupling



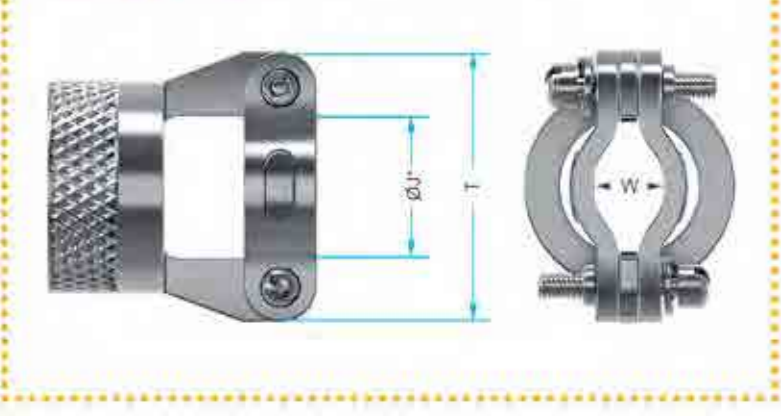
Angle H - 45 Degree



Angle J - 90 Degree Miter Cut



Clamp Option - SR Clamp



* See pages 26 to 36



Environmental & Shielding Backshell EMI/RFI

Single band termination shrink boot adapters
Direct Coupling, Rotatable Coupling or Self-Locking
Straight, 45 degree or 90 degree

Series CB2 - THE PART NUMBER KEY

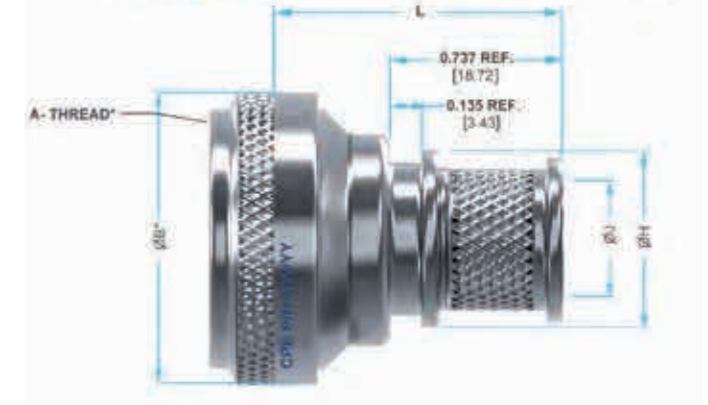
TYPE							
2	ROTATABLE	0					
	DIRECT	2					
	SELF-LOCKING	4					
CONNECTORS INTERFACE							
3	MIL-DTL-5015 MS3400; MIL-DTL-26482 SERIES 2; MIL-DTL-83723 SERIES 3; MIL-DTL83723 SERIES 1 & III; 40M39569/CECC75201.001 / DEF 5326-3; EN2997/EN3646/ESC10/ESC11/LN29504; NFC93422 SERIES HE302; PAN6432-1 / PAN6432-2 / PATT602	A					
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS A BLUE	B					
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 BENDIX CLASS A, E, R	M					
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 ITT CANON CLASS A, E, R	N					
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS R	P					
	MIL-DTL-26482 SERIES 1 SOLDER MS3110 & MS3116	D					
	MIL-DTL-38999; SERIES I & II; 40M38277; NFC93422 SERIES HE308, HE309; PAN 6433-1 / PATT 614 / PATT 616	F					
	MIL-DTL-38999; SERIES III & IV; EN3645 / CECC 75201.002	H					
	PATT 105 / PATT 603 / PATT 608	S					
ANGLE							
4	STRAIGHT	S					
	45°	H					
	90°	J					
MATERIAL & PLATING							
Material	Plating	Process	Salt Spray Hours	Temperature Range (°C)	Conductive Yes/No	ROHS compliance	
MARINE BRONZE	SHOTBLAST NONREFLECTIVE		1000	-65 TO 200	YES	YES	B
ALUMINUM	ANODIZE BLACK	AMS-A-8625 TYPE II CLASS 2,	336	-65 TO +175	NO	YES	C
ALUMINUM	ELECTROLESS NICKEL	AMS-C-26074 CLASS 4 GRADE B, ASTM-B-733, SC 2, TYPE IV	48	-65 TO +200	YES	YES	F
ALUMINUM	ANODIZE HARDCOAT, BLACK	AMS-A-8625 TYPE III, CLASS 2, .001» THICK	336	-65 TO +200	NO	YES	G
STAINLESS STEEL	PASSIVATE	SAE-AMS- SAE-AMS-QQ-P-35 TYPE VI	1000	-65 TO +200	YES	YES	K
ALUMINUM	ZINC NICKEL, BLACK	ASTM B841 GRADE 5 OVER ELECTROLESS NICKEL	500	-65 TO +175	YES	YES	J
ALUMINUM	CADMIUM, OLIVE DRAB	SAE-AMS-QQ-P-416 TYPE II CLASS 2 OVER ELECTROLESS NICKEL	1000	-65 TO +175	YES	NO	W
ALUMINUM	ZINC-COBALT, BLACK	ASTM B840 GRADE 6 TYPE D OVER ELECTROLESS NICKEL	350	-65 TO +175	YES	YES	Z
SHELL SIZE**		SHELL SIZE**		SHELL SIZE**		SHELL SIZE**	
F MAX in - mm	G MAX in - mm	F MAX in - mm	G MAX in - mm	F MAX in - mm	G MAX in - mm	F MAX in - mm	G MAX in - mm
1.02 - 25.9	1.29 - 32.8	1.16 - 29.5	1.63 - 41.4	1.33 - 33.8	2.04 - 51.8	1.07 - 27.2	1.42 - 36.1
1.04 - 26.4	1.35 - 34.3	1.19 - 30.2	1.70 - 43.2	1.38 - 35.1	2.17 - 55.1	1.10 - 27.9	1.48 - 37.6
1.07 - 27.2	1.42 - 36.1	1.21 - 30.7	1.76 - 44.7	1.43 - 36.3	2.29 - 58.2	1.12 - 28.4	1.54 - 39.1
1.10 - 27.9	1.48 - 37.6	1.24 - 31.5	1.82 - 46.2	1.48 - 37.6	2.42 - 61.5	1.13 - 28.7	1.57 - 39.9
1.12 - 28.4	1.54 - 39.1	1.29 - 32.8	1.95 - 49.5	1.20 - 30.5	1.73 - 43.9		
1.13 - 28.7	1.57 - 39.9						
ENTRY SIZE		ENTRY SIZE		ENTRY SIZE		ENTRY SIZE	
ØH MAX in - mm	ØJ in - mm	ØH MAX in - mm	ØJ in - mm	ØH MAX in - mm	ØJ in - mm	ØH MAX in - mm	ØJ in - mm
0.392 - 10.0	0.125 - 3.2	0.892 - 22.7	0.625 - 15.9	1.392 - 35.4	1.125 - 28.6	0.517 - 13.1	0.250 - 6.4
0.455 - 11.5	0.188 - 4.8	0.955 - 24.2	0.688 - 17.5	1.517 - 38.5	1.250 - 31.8	0.580 - 14.7	0.313 - 7.9
0.517 - 13.1	0.250 - 6.4	1.017 - 25.8	0.750 - 19.1	1.642 - 41.7	1.375 - 34.9	0.642 - 16.3	0.375 - 9.5
0.580 - 14.7	0.313 - 7.9	1.080 - 27.4	0.813 - 20.6	1.767 - 44.9	1.500 - 38.1	0.705 - 17.9	0.438 - 11.1
0.642 - 16.3	0.375 - 9.5	1.142 - 29.0	0.875 - 22.2	1.892 - 48.1	1.625 - 41.3	0.767 - 19.5	0.500 - 12.7
0.705 - 17.9	0.438 - 11.1	1.205 - 30.6	0.938 - 23.8	2.017 - 51.2	1.750 - 44.5	0.830 - 21.1	0.563 - 14.3
0.767 - 19.5	0.500 - 12.7	1.267 - 32.2	1.000 - 25.4	2.142 - 54.4	1.875 - 47.6		
0.830 - 21.1	0.563 - 14.3	1.330 - 33.8	1.063 - 27.0	2.267 - 57.6	2.000 - 50.8		
BANDING OPTION		BANDING OPTION		BANDING OPTION		BANDING OPTION	
WITHOUT OPTION		WITHOUT OPTION		WITHOUT OPTION		WITHOUT OPTION	
CONSTANT FORCE SPRING BAND		CONSTANT FORCE SPRING BAND		CONSTANT FORCE SPRING BAND		CONSTANT FORCE SPRING BAND	
STAMPED BUCKLE BAND (FLAT)		STAMPED BUCKLE BAND (FLAT)		STAMPED BUCKLE BAND (FLAT)		STAMPED BUCKLE BAND (FLAT)	
STAMPED BUCKLE BAND (PRE-COILED)		STAMPED BUCKLE BAND (PRE-COILED)		STAMPED BUCKLE BAND (PRE-COILED)		STAMPED BUCKLE BAND (PRE-COILED)	
STAMPED BUCKLE MINI BAND (FLAT)		STAMPED BUCKLE MINI BAND (FLAT)		STAMPED BUCKLE MINI BAND (FLAT)		STAMPED BUCKLE MINI BAND (FLAT)	
STAMPED BUCKLE MINI BAND (PRE-COILED)		STAMPED BUCKLE MINI BAND (PRE-COILED)		STAMPED BUCKLE MINI BAND (PRE-COILED)		STAMPED BUCKLE MINI BAND (PRE-COILED)	
LENGTH OPTION		LENGTH OPTION		LENGTH OPTION		LENGTH OPTION	
STANDARD L=1,5» OR FOR ANGLE PART SI TABLE (SEE PAGES 26-36)		STANDARD L=1,5» OR FOR ANGLE PART SI TABLE (SEE PAGES 26-36)		STANDARD L=1,5» OR FOR ANGLE PART SI TABLE (SEE PAGES 26-36)		STANDARD L=1,5» OR FOR ANGLE PART SI TABLE (SEE PAGES 26-36)	
1= INCREMENTS 0,25» - MAX INCREMENT 10 = 2,50»		1= INCREMENTS 0,25» - MAX INCREMENT 10 = 2,50»		1= INCREMENTS 0,25» - MAX INCREMENT 10 = 2,50»		1= INCREMENTS 0,25» - MAX INCREMENT 10 = 2,50»	

1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9
10	11	12	13					
CB2	X	X	X	X	XX	XX	X	X

Environmental & Shielding Backshell EMI/RFI
 Single band termination shrink boot adapters
 Direct Coupling, Rotatable Coupling or Self-Locking
 Straight, 45 degree or 90 degree



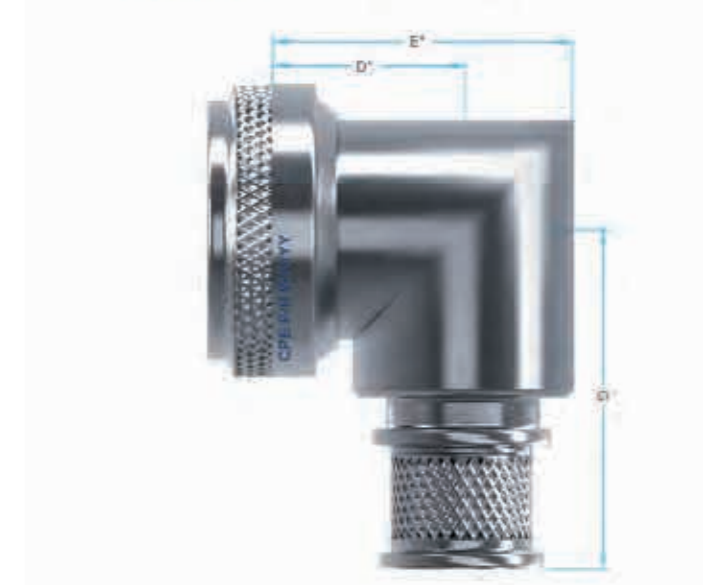
Angle S - Straight Rotatable Coupling



Angle H - 45 Degree



Angle J - 90 Degree Miter Cut



* See pages 26 to 36



Not-Environmental & Shielding Backshell EMI/RFI with Cable Clamp

Direct Coupling, Rotatable Coupling or Self-Locking
Straight, 45 degree or 90 degree

Series CB8 - THE PART NUMBER KEY

TYPE		
1	ROTATABLE	0
2	DIRECT	2
	SELF-LOCKING	4
CONNECTORS INTERFACE		
3	MIL-DTL-5015 MS3400; MIL-DTL-26482 SERIES 2; MIL-DTL-83723 SERIES 3; MIL-DTL83723 SERIES I & III; 40M39569/CECC75201.001 / DEF 5326-3; EN2997/EN3646/ESC10/ESC11/LN29504; NFC93422 SERIES HE302; PAN6432-1 / PAN6432-2 / PATT602	A
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS A BLUE	B
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 BENDIX CLASS A, E, R	M
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 ITT CANON CLASS A, E, R	N
	MIL-DTL-5015 SOLDER; MS3100 MS3101 MS3106 AMPHENOL CLASS R	P
	MIL-DTL-26482 SERIES 1 SOLDER MS3110 & MS3116	D
	MIL-DTL-38999; SERIES I & II; 40M38277; NFC93422 SERIES HE308, HE309; PAN 6433-1 / PATT 614 / PATT 616	F
	MIL-DTL-38999; SERIES III & IV; EN3645 / CECC 75201.002	H
	PATT 105 / PATT 603 / PATT 608	S

ANGLE		
4	STRAIGHT	S
	45°	H
	90°	J

MATERIAL & PLATING							
Material	Plating	Process	Salt Spray Hours	Temperature Range (°C)	Conductive Yes/No	ROHS compliance	
MARINE BRONZE	SHOTBLAST NONREFLECTIVE		1000	-65 TO 200	YES	YES	B
ALUMINUM	ANODIZE BLACK	AMS-A-8625 TYPE II CLASS 2,	336	-65 TO +175	NO	YES	C
ALUMINUM	ELECTROLESS NICKEL	AMS-C-26074 CLASS 4 GRADE B; ASTM-B-733, SC 2, TYPE IV	48	-65 TO +200	YES	YES	F
ALUMINUM	ANODIZE HARDCOAT, BLACK	AMS-A-8625 TYPE III, CLASS 2, 001» THICK,	336	-65 TO +200	NO	YES	G
STAINLESS STEEL	PASSIVATE	SAE-AMS-SAE-AMS-QQ-P-35 TYPE VI	1000	-65 TO +200	YES	YES	K
ALUMINUM	ZINC NICKEL, BLACK	ASTM B841 GRADE 5 OVER ELECTROLESS NICKEL	500	-65 TO +175	YES	YES	J
ALUMINUM	CADMIUM, OLIVE DRAB	SAE-AMS-QQ-P-416 TYPE II CLASS 2 OVER ELECTROLESS NICKEL	1000	-65 TO +175	YES	NO	W
ALUMINUM	ZINC-COBALT, BLACK	ASTM B840 GRADE 6 TYPE D OVER ELECTROLESS NICKEL	350	-65 TO +175	YES	YES	Z

SHELL SIZE**			SHELL SIZE**		
F MAX in - mm	G MAX in - mm		F MAX in - mm	G MAX in - mm	
1.08 - 274	1.35 - 34.3	08 or 09	1.28 - 32.5	1.82 - 46.2	24 or 25
1.11 - 28.2	1.42 - 36.1	10 or 11	1.30 - 33.0	1.88 - 47.8	28 or 29
1.13 - 28.7	1.48 - 37.6	12 or 13	1.35 - 34.3	2.01 - 51.1	32 or 33
1.16 - 29.5	1.54 - 39.1	14 or 15	1.39 - 35.3	2.10 - 53.3	36
1.19 - 30.2	1.60 - 40.6	16 or 17	1.44 - 36.6	2.23 - 56.6	40
1.20 - 30.5	1.63 - 41.4	18 or 19	1.50 - 38.1	2.35 - 59.7	44
1.22 - 31.0	1.70 - 43.2	20 or 21	1.55 - 39.4	2.48 - 63.0	48
1.25 - 31.8	1.76 - 44.7	22 or 23	1.26 - 32.0	1.79 - 45.5	61

CABLE ENTRY (STRAIN RELIEF STANDARD)				CABLE ENTRY (STRAIN RELIEF H)				CABLE ENTRY (E-NUT STANDARD)				
Ø J in - mm	W REF in - mm	T MAX in - mm	Z MAX in - mm	Ø J in - mm	W REF in - mm	S MAX in - mm	Y MAX in - mm	ENTRY CODE	CLAMP REF	ØL in - mm	Y MAX in - mm	
0.250 - 6.4	0.16 - 4.0	0.84 - 21.4	0.80 - 20.2	01	0.313 - 7.9	0.17 - 4.2	0.96 - 24.3	1.12 - 28.5	01	CP3057-3E	0.250 - 6.4	0.58 - 14.8
0.312 - 7.9	0.19 - 4.8	0.91 - 23.0	0.80 - 20.2	02	0.438 - 11.1	0.29 - 7.3	1.15 - 29.1	1.12 - 28.5	02	CP3057-4E	0.313 - 7.9	0.58 - 14.8
0.438 - 11.1	0.28 - 7.1	1.09 - 27.8	0.86 - 21.8	03	0.563 - 14.3	0.34 - 8.7	1.33 - 33.8	1.12 - 28.5	03	CP3057-6E	0.438 - 11.1	0.58 - 14.8
0.563 - 14.3	0.34 - 8.7	1.19 - 30.1	0.92 - 23.4	04	0.625 - 15.9	0.37 - 9.5	1.33 - 33.8	1.12 - 28.5	04	CP3057-8E	0.563 - 14.3	0.58 - 14.8
0.625 - 15.9	0.38 - 9.5	1.28 - 32.5	0.92 - 23.4	05	0.750 - 19.1	0.52 - 13.2	1.55 - 39.4	1.16 - 29.3	05	CP3057-10E	0.625 - 15.9	0.60 - 15.3
0.750 - 19.1	0.44 - 11.1	1.50 - 38.1	0.92 - 23.4	06	0.938 - 23.8	0.64 - 16.3	1.77 - 45.0	1.25 - 31.7	06	CP3057-12E	0.750 - 19.1	0.68 - 17.2
0.938 - 23.8	0.56 - 14.3	1.72 - 43.7	1.02 - 25.8	07	1.250 - 31.8	0.86 - 21.7	2.11 - 53.7	1.44 - 36.5	07	CP3057-16E	0.938 - 23.8	0.66 - 16.8
1.250 - 31.8	0.75 - 19.1	2.06 - 52.4	1.02 - 25.8	08	1.375 - 34.9	0.99 - 25.1	2.36 - 60.0	1.47 - 37.3	08	CP3057-20E	1.250 - 31.8	0.73 - 18.6
1.375 - 34.9	0.78 - 19.8	2.31 - 58.7	1.02 - 25.8	09	1.625 - 41.3	1.26 - 32.1	2.77 - 70.4	1.74 - 44.3	09	CP3057-24E	1.375 - 34.9	0.97 - 24.5
1.625 - 41.3	0.97 - 24.6	2.72 - 69.1	1.55 - 39.3	10	1.875 - 47.6	1.42 - 36.0	3.02 - 76.7	1.74 - 44.3	10	CP3057-28E	1.625 - 41.3	0.96 - 24.4
1.875 - 47.6	1.13 - 28.6	2.97 - 75.4	1.55 - 39.3	11					11	CP3057-32E	1.875 - 47.6	1.08 - 27.4

SHRINK BOOT		
8	WITHOUT SHRINK BOOT	E
	WITH SHRINK BOOT	T
STRAIN RELIEF		
9	E-NUT	E
	STRAIN RELIEF STANDARD	S
	STRAIN RELIEF H	H
LENGTH OPTION		
10	STANDARD L=1.5» OR FOR ANGLE PART SI TABLE (SEE PAGES 26-36)	00
	1= INCREMENTS 0.25» - MAX INCREMENT 10 = 2.50»	01 TO 10

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
CB8	X	X	X	X	XX	XX	X	X	XX



Not-Environmental & Shielding Backshell
EMI/RFI with Cable Clamp
 Direct Coupling, Rotatable Coupling or Self-Locking
 Straight, 45 degree or 90 degree

Angle S - Straight Rotatable Coupling, Standard Strain Relief



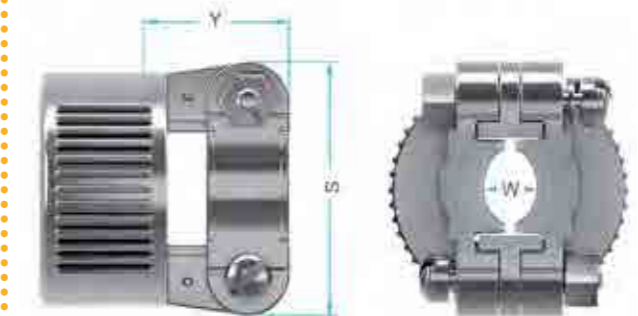
Angle H - 45 Degree



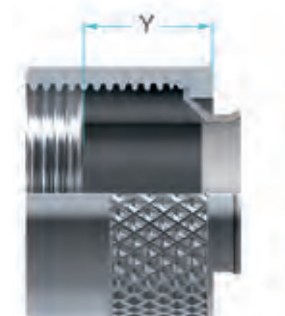
Angle J - 90 Degree Miter Cut



Clamp Option - Strain Relief H



Clamp Option - Type E Nut



* See pages 26 to 36



Environmental & Shielding Backshell EMI/RFI with Cable Clamp - Submersible

Direct Coupling, Rotatable Coupling or Self-Locking
Straight, 45 degree or 90 degree

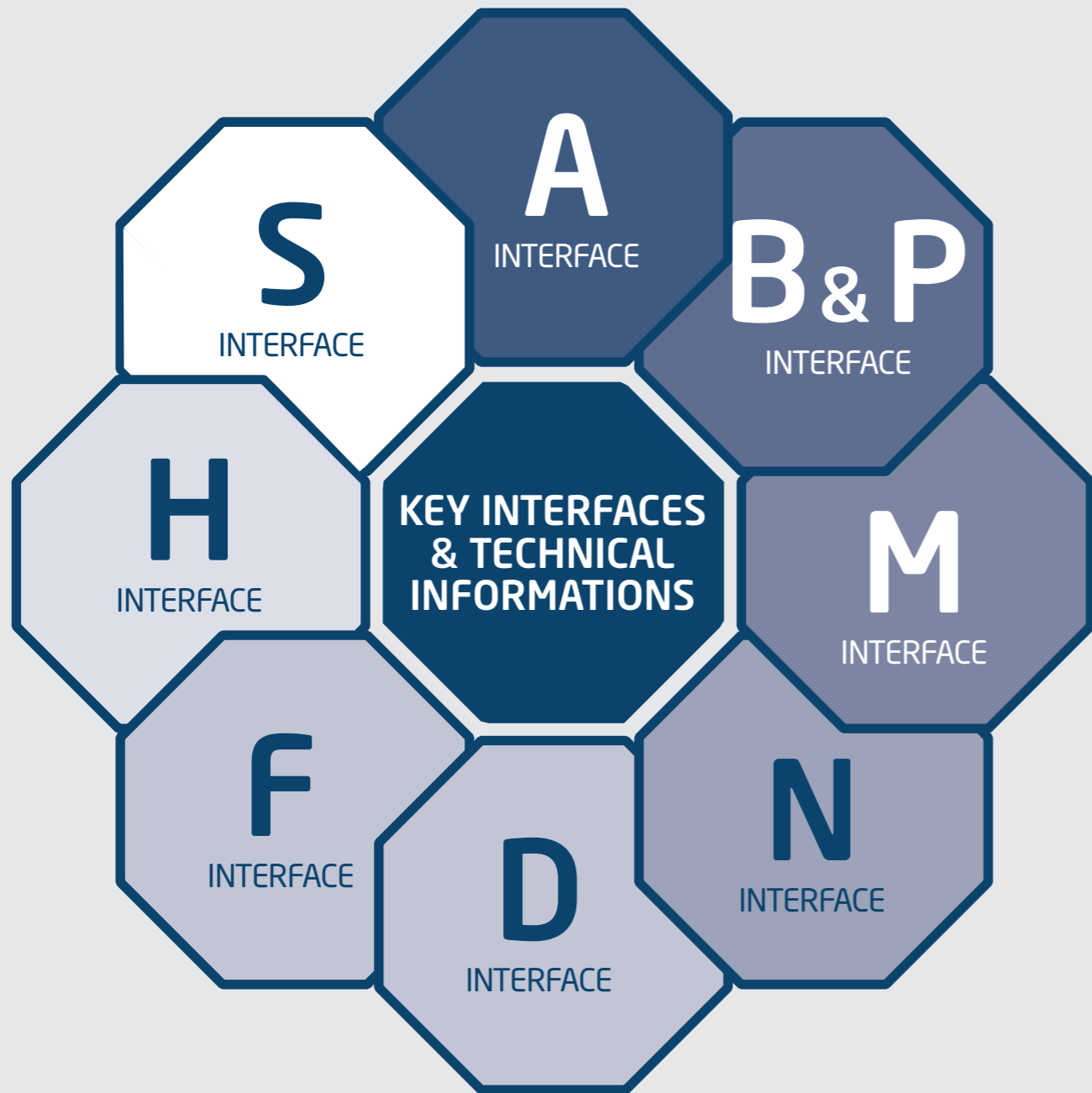


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MS3400; MS3450;MS26482 SERIE II

A

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
08	08	02	1/2-20 UNF	0.69	17.6	0.54	13.6	0.65	16.5	0.92	23.4
10	10	03	5/8-24 UNEF	0.81	20.5	0.57	14.4	0.70	17.9	1.03	26.3
12	12	04	3/4-20 UNEF	0.94	24.0	0.58	14.8	0.77	19.6	1.16	29.4
14	14	34	7/8-20 UNEF	1.07	27.1	0.60	15.3	0.84	21.4	1.22	30.9
16	16	35	1-20 UNEF	1.24	31.6	0.63	15.9	0.90	22.9	1.34	34.1
18	18	06	1 1/16-18 UNEF	1.32	33.4	0.64	16.4	0.93	23.6	1.40	35.4
20	20	07	1 3/16-18 UNEF	1.44	36.6	0.67	17.0	0.99	25.2	1.52	38.6
22	22	08	1 5/16-18 UNEF	1.57	39.8	0.70	17.7	1.06	26.8	1.65	41.8
24	24	09	1 7/16-18UNEF	1.69	43.0	0.73	18.5	1.12	28.4	1.77	45.0
28	28	11	1 3/4-18 UNS	2.00	50.9	0.83	21.2	1.28	32.6	2.06	52.4
32	32	13	2-18 UNS	2.25	57.2	0.89	22.6	1.41	35.8	2.31	58.7
36	36	14	2 1/4-16 UN	2.50	63.6	0.93	23.7	1.53	39.0	2.53	64.3
40	40	16	2 1/2-16UN	2.75	69.9	1.01	25.6	1.66	42.1	2.78	70.6
44	44	-	2 3/4-16UN	3.00	76.3	1.06	26.9	1.78	45.3	3.03	77.0
48	48	-	3-16UN	3.25	82.6	1.11	28.2	1.91	48.5	3.28	83.3
61	61	09	1 1/2-18UNEF	1.75	44.5	0.77	19.4	1.16	29.4	1.84	46.8

AS50151 MS3400 - SERIE II	
MS3401	Receptacle, Cable Connecting
MS3402	Receptacle, Box Mount
MS3404	Receptacle, Jam Nut
MS3406	Plug
MS3408	Plug, 90°
MS3409	Plug, 45°
MS3412	Receptacle, Wall Mount

MIL-DTL-26482 Serie II	
MS3470	Receptacle, Narrow Flange
MS3471	Receptacle, Cable Connecting
MS3472	Receptacle, Wide Flange Mount
MS3474	Receptacle, Jam Nut
MS3475	Plug, RFI Shielded
MS3476	Plug

AS50151 MS3400 - SERIE III	
MS3450	Receptacle, Wall Mount
MS3451	Receptacle, Cable Connecting
MS3454	Receptacle, Jam Nut
MS3456	Plug
MS3459	Plug, Self Locking

DIFFERENT MATERIALS AND FINISHES OF THE CONNECTORS FOR THE «A» KEY

Class	Material	Finish
A	Alum.	Cadmium, Olive Drab
B	Alum.	Cadmium, Olive Drab
C	Alum.	Cadmium, Olive Drab
D	Alum.	Cadmium, Olive Drab
DJ	Alum.	Cadmium, Olive Drab
DJ	SST.	Cadmium, Black
DJS	SST	Cadmium, Black
DSN	SST	Electrodeposited Nickel
DT	Alum.	Nickel-PTFE
DV	Alum.	Tin-Zinc

Class	Material	Finish
DY	Alum.	Alumiplate
DZ	Alum.	Zinc-Nickel, Black
E	Alum.	Cadmium, Olive Drab
F	Alum.	Cadmium, Olive Drab
H	Steel	Electroless Nickel
HT	Steel	Fused Tin
K (Solder)	Steel	Cadmium, Olive Drab
K (Crimp)	Steel	Electroless Nickel
KT	Steel	Cadmium, Olive Drab
L	Alum.	Electroless Nickel

Class	Material	Finish
P	Alum.	Cadmium, Olive Drab
R	Alum.	Cadmium, Olive Drab
U	Alum.	Electroless Nickel
W	Alum.	Cadmium, Olive Drab
WT	Alum.	Nickel-PTFE
WY	Alum.	Alumiplate
WZ	Alum.	Zinc-Nickel, Black
X	Alum.	Cadmium, Olive Drab

Manufacturer's prefix for Key A backshell connectors

Manufacturer's Prefix			
602GB	Amphenol Ltd.	AFD	TE Connectivity
852	Souriau	AS	Corsair
853	Souriau	BT	Amphenol Aerospace
944	Amphenol Aerospace	BY	Amphenol Aerospace
AE55	Aero-Electric Connector	CJ09	Corsair
AE77	Aero-Electric Connector	CJ10	Corsair
AE83	Aero-Electric Connector	CV	ITT Cannon
DBA	TE Connectivity	DBA	TE Connectivity
DBAS	TE Connectivity	DL	TE Connectivity
FDBA	TE Connectivity	MB1	Amphenol Aerospace
MB3	Amphenol Aerospace	MB3	Amphenol Aerospace
MT3	Amphenol Aerospace	PTS	Amphenol Aerospace
PV	ITT Cannon	RR	TE Connectivity
SC5	Spacecraft Components		

B SERIE AMPHENOL CLASS A

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
8S	08	32	7/16-27UNS	0.75	19.2	0.59	15.0	0.72	18.3	1.02	25.9
10S	10	03	1/2-28UNEF	0.82	20.8	0.60	15.4	0.75	19.1	1.08	27.5
10SL	11	04	5/8-24UNEF	0.94	23.9	0.63	16.0	0.81	20.7	1.21	30.6
12, 12S	12	34	11/16-24UNEF	1.02	25.9	0.64	16.3	0.84	21.5	1.27	32.2
14, 14S	14	05	3/4-20UNEF	1.08	27.5	0.66	16.7	0.88	22.2	1.33	33.8
16, 16S	16	06	7/8-20UNEF	1.27	32.3	0.71	18.1	0.97	24.6	1.49	37.8
18	18	36	1-20UNEF	1.40	35.4	0.74	18.8	1.03	26.2	1.61	40.9
20	20	08	1 1/8-18UNEF	1.52	38.6	0.77	19.4	1.09	27.8	1.74	44.1
22	22	09	1 1/4-18UNEF	1.65	41.8	0.79	20.1	1.16	29.4	1.86	47.3
24	24	10	1 3/8-18UNEF	1.85	46.9	0.85	21.5	1.25	31.8	2.02	51.3
28	28	11	1 5/8-18UNEF	1.97	50.1	0.87	22.2	1.31	33.4	2.14	54.4
32	32	13	1 29/32-18UN	2.22	56.4	0.93	23.5	1.44	36.5	2.39	60.8
36	36	15	2 1/8-18UNS	2.55	64.8	1.01	25.6	1.59	40.5	2.67	67.9
40	40	-	2 3/8-16UN	2.80	71.2	1.06	26.9	1.72	43.7	2.92	74.3
44	44	-	2 5/8-16UN	3.05	77.5	1.11	28.3	1.84	46.9	3.17	80.6
48	48	-	2 7/8-16UN	3.38	85.9	1.20	30.4	2.00	50.8	3.46	87.8

M SERIE BENDIX CLASS A, E & R

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
8S	08	02	3/8-32UNEF	0.69	17.6	0.58	14.7	0.69	17.5	0.96	24.3
10S	10	03	1/2-28UNEF	0.82	20.8	0.60	15.4	0.75	19.1	1.08	27.5
10SL	11	04	5/8-24UNEF	0.94	23.9	0.63	16.0	0.81	20.7	1.21	30.6
12, 12S	12	04	5/8-24UNEF	0.94	23.9	0.63	16.0	0.81	20.7	1.21	30.6
14, 14S	14	05	3/4-20UNEF	1.08	27.5	0.66	16.7	0.88	22.2	1.33	33.8
16, 16S	16	06	7/8-20UNEF	1.27	32.3	0.71	18.1	0.97	24.6	1.49	37.8
18	18	36	1-20UNEF	1.40	35.4	0.74	18.8	1.03	26.2	1.61	40.9
20	20	08	1 1/8-18UNEF	1.52	38.6	0.77	19.4	1.09	27.8	1.74	44.1
22	22	09	1 1/4-18UNEF	1.65	41.8	0.79	20.1	1.16	29.4	1.86	47.3
24	24	10	1 3/8-18UNEF	1.85	46.9	0.85	21.5	1.25	31.8	2.02	51.3
28	28	11	1 5/8-18UNEF	1.97	50.1	0.87	22.2	1.31	33.4	2.14	54.4
32	32	13	1 7/8-16UN	2.22	56.4	0.93	23.5	1.44	36.5	2.39	60.8
36	36	15	2 1/16-16UNS	2.55	64.8	1.01	25.6	1.59	40.5	2.67	67.9
40	40	-	2 5/16-16UNS	2.80	71.2	1.06	26.9	1.72	43.7	2.92	74.3
44	44	-	2 5/8-16UN	3.05	77.5	1.11	28.3	1.84	46.9	3.17	80.6

P SERIE AMPHENOL CLASS R

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
8S	08	32	7/16-27UNS	0.75	19.2	0.59	15.0	0.72	18.3	1.02	25.9
10S	10	03	1/2-28UNEF	0.82	20.8	0.60	15.4	0.75	19.1	1.08	27.5
10SL	11	04	5/8-24UNEF	0.94	23.9	0.63	16.0	0.81	20.7	1.21	30.6
12, 12S	12	34	11/16-24UNEF	1.02	25.9	0.64	16.3	0.84	21.5	1.27	32.2
14, 14S	14	05	3/4-20UNEF	1.08	27.5	0.66	16.7	0.88	22.2	1.33	33.8
16, 16S	16	06	7/8-20UNEF	1.27	32.3	0.71	18.1	0.97	24.6	1.49	37.8
18	18	36	1-20UNEF	1.40	35.4	0.74	18.8	1.03	26.2	1.61	40.9
20	20	08	1 1/8-24UNS	1.52	38.6	0.77	19.4	1.09	27.8	1.74	44.1
22	22	09	1 1/4-18UNEF	1.65	41.8	0.79	20.1	1.16	29.4	1.86	47.3
24	24	10	1 3/8-18UNEF	1.85	46.9	0.85	21.5	1.25	31.8	2.02	51.3
28	28	11	1 5/8-18UNEF	1.97	50.1	0.87	22.2	1.31	33.4	2.14	54.4
32	32	13	1 29/32-18UN	2.22	56.4	0.93	23.5	1.44	36.5	2.39	60.8
36	36	15	2 1/16-20UNS	2.55	64.8	1.01	25.6	1.59	40.5	2.67	67.9
40	40	-	2 3/8-16UN	2.80	71.2	1.06	26.9	1.72	43.7	2.92	74.3
44	44	-	2 5/8-16UN	3.05	77.5	1.11	28.3	1.84	46.9	3.17	80.6
48	48	-	2 7/8-16UN	3.38	85.9	1.20	30.4	2.00	50.8	3.46	87.8

N SERIE ITT CANNON CLASS A, E & R

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
8S	08	32	7/16-28UNEF	0.75	19.2	0.59	15.0	0.72	18.3	1.02	25.9
10S	10	03	1/2-28UNEF	0.82	20.8	0.60	15.4	0.75	19.1	1.08	27.5
10SL	11	33	9/16-24UNEF	0.88	22.3	0.62	15.7	0.78	19.9	1.14	29.0
12, 12S	12	04	5/8-24UNEF	0.94	23.9	0.63	16.0	0.81	20.7	1.21	30.6
14, 14S	14	34	3/4-20UNEF	1.08	27.5	0.66	16.7	0.88	22.2	1.33	33.8
16, 16S	16	35	7/8-20UNEF	1.27	32.3	0.71	18.1	0.97	24.6	1.49	37.8
18	18	36	1-20UNEF	1.40	35.4	0.74	18.8	1.03	26.2	1.61	40.9
20	20	37	1 1/8-18UNEF	1.52	38.6	0.77	19.4	1.09	27.8	1.74	44.1
22	22	38	1 1/4-18UNEF	1.65	41.8	0.79	20.1	1.16	29.4	1.86	47.3
24	24	09	1 3/8-18UNEF	1.85	46.9	0.85	21.5	1.25	31.8	2.02	51.3
28	28	11	1 5/8-18UNEF	1.97	50.1	0.87	22.2	1.31	33.4	2.14	54.4
32	32	13	1 7/8-16UN	2.22	56.4	0.93	23.5	1.44	36.5	2.39	60.8
36	36	15	2 1/8-16UN	2.55	64.8	1.01	25.6	1.59	40.5	2.67	67.9
40	40	-	2 3/8-16UN	2.80	71.2	1.06	26.9	1.72	43.7	2.92	74.3
44	44	-	2 5/8-16UN	3.05	77.5	1.11	28.3	1.84	46.9	3.17	80.6
48	48	-	2 13/16-18UNS	3.38	85.9	1.20	30.4	2.00	50.8	3.46	87.8

MS3100 - MIL-DTL-5015 SERIE I

MS3100 Receptacle, Wall Mount

MS3101 Plug

MS3106 Plug

DIFFERENT MATERIALS AND FINISHES OF THE CONNECTORS FOR THE «B-M-P-N» KEY

Class	Material	Finish	Class	Material	Finish	Class	Material	Finish
A	Alum.	Cadmium, Olive Drab	DY	Alum.	Alumiplate	P	Alum.	Cadmium, Olive Drab
B	Alum.	Cadmium, Olive Drab	DZ	Alum.	Zinc-Nickel, Black	R	Alum.	Cadmium, Olive Drab
C	Alum.	Cadmium, Olive Drab	E	Alum.	Cadmium, Olive Drab	U	Alum.	Electroless Nickel
D	Alum.	Cadmium, Olive Drab	F	Alum.	Cadmium, Olive Drab	W	Alum.	Cadmium, Olive Drab
DJ	Alum.	Cadmium, Olive Drab	H	Steel	Electroless Nickel	WT	Alum.	Nickel-PTFE
DJ	SST.	Cadmium, Black	HT	Steel	Fused Tin	WY	Alum.	Alumiplate
DJS	SST	Cadmium, Black	K (Solder)	Steel	Cadmium, Olive Drab	WZ	Alum.	Zinc-Nickel, Black
DSN	SST	Electrodeposited Nickel	K (Crimp)	Steel	Electroless Nickel	X	Alum.	Cadmium, Olive Drab
DT	Alum.	Nickel-PTFE	KT	Steel	Cadmium, Olive Drab			
DV	Alum.	Tin-Zinc	L	Alum.	Electroless Nickel			

D

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
08	08	02	7/16-28UNEF	0.68	17.3	0.57	14.4	0.72	18.2	1.00	25.5
10	10	03	9/16-24UNEF	0.80	20.3	0.59	14.9	0.86	21.8	1.16	29.5
12	12	04	11/16-24UNEF	0.94	23.8	0.62	15.7	0.83	21.0	1.26	32.0
14	14	05	13/16-20UNEF	1.06	26.8	0.65	16.5	0.92	23.4	1.40	35.5
16	16	06	15/16-20UNEF	1.17	29.8	0.66	16.8	0.96	24.5	1.52	38.5
18	18	07	1 1/16-18UNEF	1.31	33.3	0.70	17.8	1.04	26.5	1.65	42.0
20	20	08	1 3/16-18UNEF	1.43	36.3	0.71	18.1	1.12	28.5	1.79	45.5
22	22	09	1 5/16-18UNEF	1.57	39.8	0.73	18.5	1.18	30.0	1.91	48.5
24	24	10	1 7/16-18UNEF	1.69	42.8	0.78	19.7	1.24	31.5	2.03	51.5

MIL-DTL-26482 - SERIE I	
MS3110	Receptacle, Wall Mount
MS3111	Plug
MS3114	Receptacle, Jam Nut
MS3116	Plug
MS3120	Receptacle, Wall Mount

MIL-DTL-26482 - SERIE I	
MS3121	Plug
MS3124	Receptacle, Jam Nut
MS3126	Plug
MS3128	Receptacle, Wall Mount

DIFFERENT MATERIALS AND FINISHES OF THE CONNECTORS FOR THE «D» KEY

Class/Finish	Material	Finish	Class/Finish	Material	Finish	Class/Finish	Material	Finish
A	Alum.	Hardcoat Anodize	L	Alum.	Electroless Nickel	W	Alum.	Cadmium, Olive Drab
H	Steel	Fused Tin	N	Steel	Fused Tin			
K	Alum.	Zinc-Nickel, Black	T	Alum.	Nickel-PTFE			

Manufacturer's prefix for Key D backshell connectors

Manufacturer's Prefix			
451	Amphenol-Socapex	KPT	ITT Cannon
851	Souriau	KPTC	ITT Cannon
951	TE Connectivity	PT	Amphenol Industrial
IPT	Glenair	PW	Cinch
KPSE	ITT Cannon	VPT	ITT Cannon Veam

F

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
08	08	02	7/16-28UNEF	0.66	16.8	0.50	12.7	0.60	15.3	0.87	22.1
10	10	03	9/16-24UNEF	0.80	20.3	0.52	13.3	0.67	16.9	1.00	25.3
12	12	04	11/16-24UNEF	0.92	23.4	0.55	13.9	0.73	18.5	1.12	28.4
14	14	05	13/16-20UNEF	1.06	26.8	0.58	14.7	0.79	20.1	1.25	31.6
16	16	06	15/16-20UNEF	1.18	30.0	0.60	15.4	0.85	21.7	1.37	34.8
18	18	07	1 1/16-18UNEF	1.31	33.3	0.61	15.4	0.92	23.2	1.50	38.0
20	20	08	1 3/16-18UNEF	1.44	36.5	0.66	16.7	0.98	24.8	1.62	41.1
22	22	09	1 5/16-18UNEF	1.56	39.7	0.68	17.4	1.04	26.4	1.75	44.3
24	24	10	1 7/16-18UNEF	1.69	42.9	0.68	17.4	1.10	28.0	1.87	47.5

MIL-DTL-38999 Serie I	
MS27466	Receptacle, Wall Mount
MS27467	Plug
MS27468	Receptacle, Jam Nut
MS27498	Plug, 90°
MS27515	Receptacle, Wall Mount
MS27652	Receptacle, Wall Mount
MS27653	Plug
MS27654	Receptacle, Wall Mount
MS27656	Receptacle, Wall Mount
MS27661	Plug, Lanyard Release
MS27665	Plug, Rack & Panel Mtg

MIL-DTL-38999 Serie II	
MS27472	Receptacle, Wall Mount
MS27473	Plug
MS27474	Receptacle, Jam Nut
MS27475	Receptacle, Wall Mount
MS27479	Receptacle, Wall Mount
MS27480	Plug
MS27484	Plug
MS27497	Receptacle, Wall Mount
MS27500	Plug, 90°

DIFFERENT MATERIALS AND FINISHES OF THE CONNECTORS FOR THE «F» KEY

Class	Material	Finish	Class	Material	Finish	Class	Material	Finish
A	Alum.	Cadmium, Clear Chromate	H	SST	Passivated	S	SST	Electrodeposited Nickel
B	Alum.	Cadmium, Olive Drab	J	Composite	Cadmium, Olive Drab	T	Alum.	Nickel-PTFE
C	Alum.	Hardcoat Anodize	K	SST	Passivated	U	Alum.	Cadmium, Clear Chromate
D	Steel	Fused Tin	L	SST	Electrodeposited Nickel	W	Alum.	Cadmium, Olive Drab
E	SST	Passivated	M	Composite	Nickel	Y	SST	Passivated
F	Alum.	Electroless Nickel	N	SST	Electrodeposited Nickel	Z	Alum.	Zinc-Nickel, Black
G	Alum.	Electroless Nickel	R	Alum.	Electroless Nickel			

Manufacturer's prefix for Key F backshell connectors

Manufacturer's Prefix			
231	Glenair	CJ08	Corsair
232	Glenair	CJ13	Corsair
418-2	Amphenol Ltd.	DJT	TE Connectivity
418-1	Amphenol Ltd.	JT	Amphenol Aerospace
8LT	Souriau	KJ	ITT Cannon
8T	Souriau	KJL	ITT Cannon
AE15	Aero-Electric Connector	LJT	Amphenol Aerospace
AE16	Aero-Electric Connector	SC1	Spacecraft Components
AE27	Aero-Electric Connector	SC2	Spacecraft Components
AE28	Aero-Electric Connector		
AE29	Aero-Electric Connector		

H

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
09	09	32	M12x1.0	0.74	18.7	0.42	10.6	0.62	15.7	0.84	21.2
11	11	33	M15x1.0	0.86	21.9	0.44	11.2	0.68	17.2	0.96	24.3
13	13	34	M18x1.0	1.01	25.6	0.49	12.3	0.76	19.2	1.10	27.9
15	15	35	M22x1.0	1.13	28.8	0.51	13.0	0.82	20.8	1.23	31.1
17	17	36	M25x1.0	1.26	32.0	0.55	13.9	0.89	22.6	1.36	34.5
19	19	07	M28x1.0	1.39	35.2	0.57	14.6	0.95	24.2	1.45	36.9
21	21	09	M31x1.0	1.51	38.4	0.60	15.3	1.02	25.8	1.58	40.1
23	23	09	M34x1.0	1.64	41.6	0.63	15.9	1.08	27.4	1.71	43.3
25	25	10	M34x1.0	1.78	45.2	0.65	16.6	1.14	29.0	1.83	46.5

MIL-DTL-38999 Serie III	
D38999/20	Receptacle, Wall Mount
D38999/24	Receptacle, Jam Nut
D38999/26	Plug
D38999/29	Plug, Lanyard Release
D38999/30	Plug, Lanyard Release
D38999/31	Plug, Lanyard Release

MIL-DTL-38999 Serie IV	
D38999/40	Receptacle, Wall Mount
D38999/42	Receptacle, Box Mount
D38999/44	Receptacle, Jam Nut
D38999/46	Plug
D38999/47	Plug

DIFFERENT MATERIALS AND FINISHES OF THE CONNECTORS FOR THE «H» KEY

Class	Material	Finish	Class	Material	Finish	Class	Material	Finish
A	Alum.	Cadmium, Clear Chromate	J	Composite.	Cadmium, Olive Drab	U	Alum.	Cadmium, Clear Chromate
B	Alum.	Cadmium, Olive Drab	K	SST	Passivated	W	Alum.	Cadmium, Olive Drab
C	Alum.	Hardcoat Anodize	L	SST	Electrodeposited Nickel	Y	SST.	Passivated
D	Steel	Fused Tin	M	Composite	Nickel	Z	Alum.	Zinc-Nickel, Black
E	SST.	Passivated	N	SST.	Electrodeposited Nickel			
F	Alum.	Electroless Nickel	R	Alum.	Electroless Nickel			
G	Alum.	Electroless Nickel	S	SST.	Electrodeposited Nickel			
H	SST	Passivated	T	Alum.	Nickel-PTFE			

Manufacturer's prefix for Key H backshell connectors

Manufacturer's Prefix

21	Amphenol Aerospace	DTS	TE Connectivity
233	Glenair	ETV	Amphenol Aerospace
234	Glenair	G3	Eaton
8D	Souriau	HV	Amphenol Aerospace
ACT	Souriau	JVS	Souriau
AE32	Aero-Electric Connector, Inc.	KJA	ITT Cannon
BL	Cooper Interconnect (G&H)	KJB	ITT Cannon
CJ14	Corsair	MTV	Amphenol Aerospace
CTV	Amphenol Aerospace	SC3	Spacecraft Components
DIV	TE Connectivity	TV	Amphenol Aerospace

PAT105 - PAT603 - PAT 608

S

Connector Shell Size	Adapter Shell Size	Max Entry	A Thread	ØB MAX		C MAX		D MAX		E MAX	
				in	mm	in	mm	in	mm	in	mm
08	08	02	7/16-28UNEF	0.68	17.3	0.57	14.4	0.72	18.2	1.00	25.5
10	10	03	9/16-24UNEF	0.80	20.3	0.59	14.9	0.77	19.6	1.12	28.5
12	12	04	11/16-24UNEF	0.94	23.8	0.62	15.7	0.83	21.0	1.26	32.0
14	14	05	13/16-20UNEF	1.06	26.8	0.65	16.5	0.92	23.4	1.40	35.5
16	16	06	15/16-20UNEF	1.17	29.8	0.66	16.8	0.96	24.5	1.52	38.5
18	18	07	1 1/16-18UNEF	1.31	33.3	0.70	17.8	1.04	26.5	1.65	42.0
20	20	08	1 3/16-18UNEF	1.43	36.3	0.71	18.1	1.12	28.5	1.79	45.5
22	22	09	1 5/16-18UNEF	1.57	39.8	0.73	18.5	1.18	30.0	1.91	48.5
24	24	10	1 7/16-18UNEF	1.69	42.8	0.78	19.7	1.22	31.0	2.03	51.5

Manufacturer's prefix for Key S backshell connectors

Manufacturer's Prefix

162GB Amphenol Ltd.

62GB Amphenol Ltd.

OTHER TYPES OF SPECIFICATIONS POSSIBLE

Key A backshells complied with following specifications

Specifications

40M39569
 AS50151 MS3400
 AS50152 MS3450
 AS81703 Series 3
 AS95234
 BACC63BR
 BACC63BT
 BACC63CB
 BACC63CC
 BACC63CM
 BACC63CN
 BS9540 F0001 PATT 602
 CECC75 201-001
 EN2997
 EN3646
 ESC10
 ESC11
 LN 29504
 MIL-DTL-26482 Series II
 MIL-DTL-5015 MS3400
 MIL-DTL-5015 MS3450
 MIL-DTL-83723 Series III
 NAS1599
 NFC93422 HE302
 PAN6432-1
 PAN6432-2
 VG95234
 VG95238

Key D backshells complied with following specifications

Specifications

MIL-DTL-26482 SERIES I - VG95328

Key F backshells complied with following specifications

Specifications

BS9522 F0029 PATT 616
 BS9522 N0003 PATT 614
 MIL-DTL-38999 Series I and II
 NFC93422 HE308
 NFC93423 HE309
 PAN6433-1

Key H backshells complied with following specifications

Specifications

BACC63CT
 BACC63CU
 BACC63DB
 BACC63DC
 BACC63EK
 CECC75 201-002
 EN3645
 MIL-DTL-38999 Series III, IV

Key S backshells complied with following specifications

Specifications

BS9522 F0017 PATT 105
 BS9522 N0001 PATT 603
 BS9522 F0020 PATT 608

Materials

Component Material Descriptions

CPE ITALIA employs traceable methods when sourcing and using material. All manufacturer certifications are kept on file and are available upon request. For more information please contact the CPE ITALIA Sales Team.

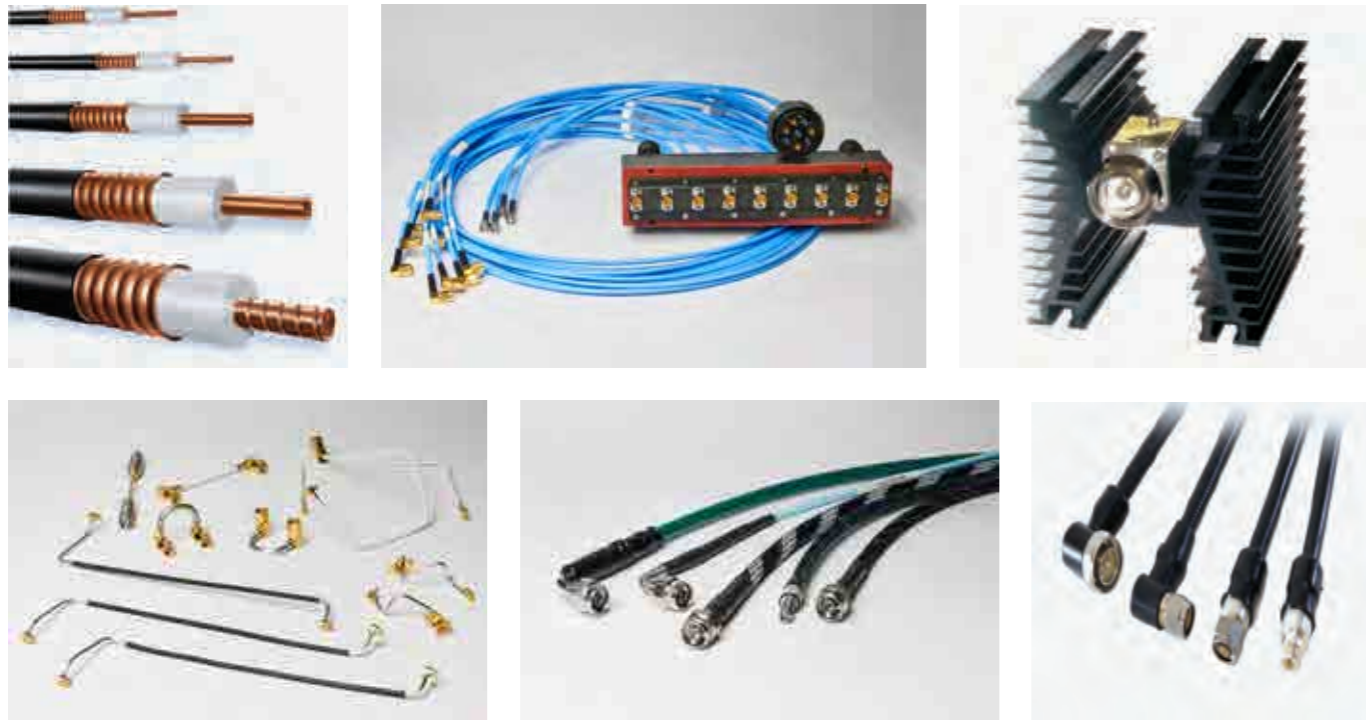
COMPONENT	MATERIAL
BARRELS	Aluminum 6061 or 300 Series Stainless Steel
BARREL CASTINGS	Aluminum Alloy A380
BRAID / SHIELD	Tinned Copper per QQB-575
CLAMP BODIES	Aluminum Alloy A380, Aluminum 6061 or 300 Series Stainless Steel
CLAMP GROMMETS, BUSHINGS	Neoprene, Silicone or Fluorosilicone
CLAMP SADDLES	Aluminum Alloy A380, Aluminum 6061 or 300 Series Stainless Steel
CLAMP HARDWARE	300 Series Stainless Steel
COUPLING RINGS	Aluminum 6061 or 300 Series Stainless Steel
E-NUTS	Aluminum 6061 or 300 Series Stainless Steel
FERRULES	Aluminum 6061 or 300 Series Stainless Steel
FOLLOWERS	Aluminum 6061 or 300 Series Stainless Steel
O-RINGS	Silicone (Red)* Fluorosilicone (Blue)*
RETAINING RINGS	300 Series Stainless Steel
SELF LOCKING CLIPS	Non Corrosive Material

*Fluorosilicone is standard for H interface (as shown in this catalogue), all other interfaces will use silicone

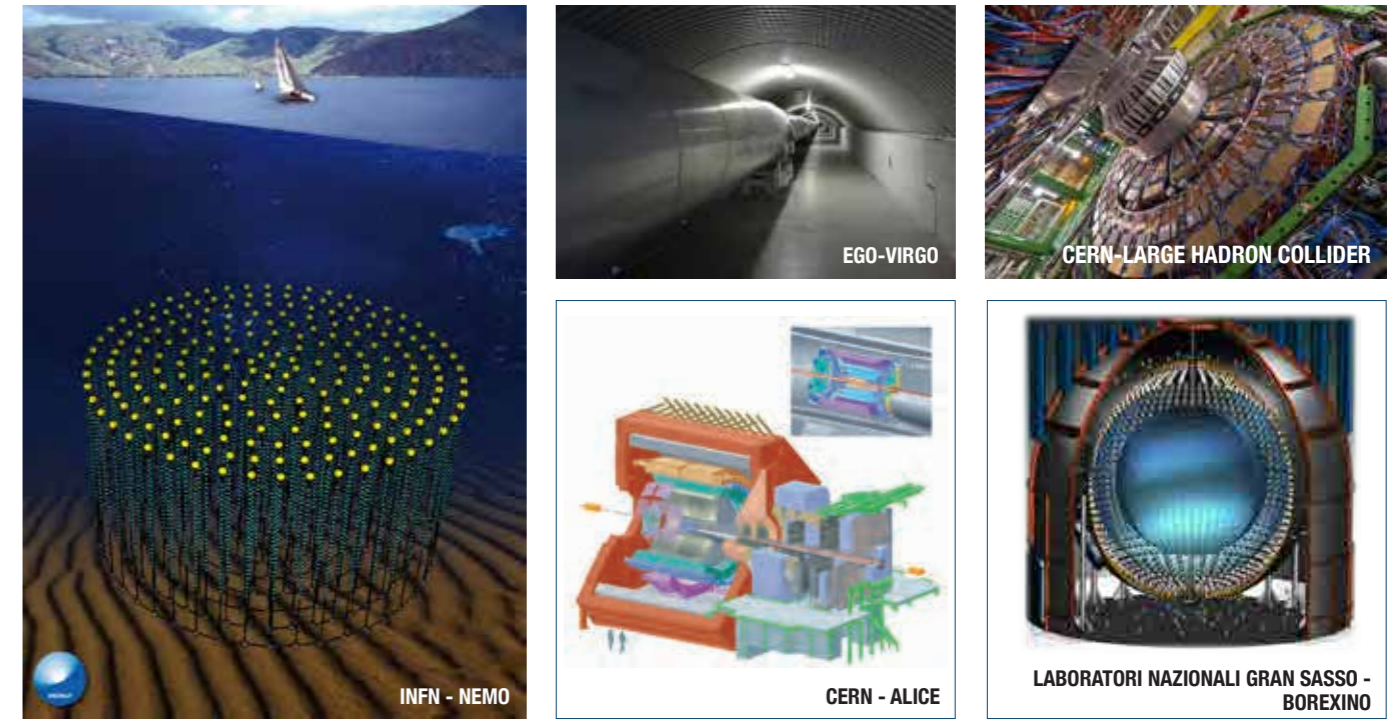
Some of the company steps and achievements

From the initial resale activity of connectors and cables, through outsourcing manufacturing of assembled cables, up to designer and manufacturer of special connectors, harnesses, customized solutions used in different application areas.

● Since 1978



● Since 1990 supporting several projects of Research Institutes



● Since Nineties, solutions with multi-wire products:



● Since 2000s





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