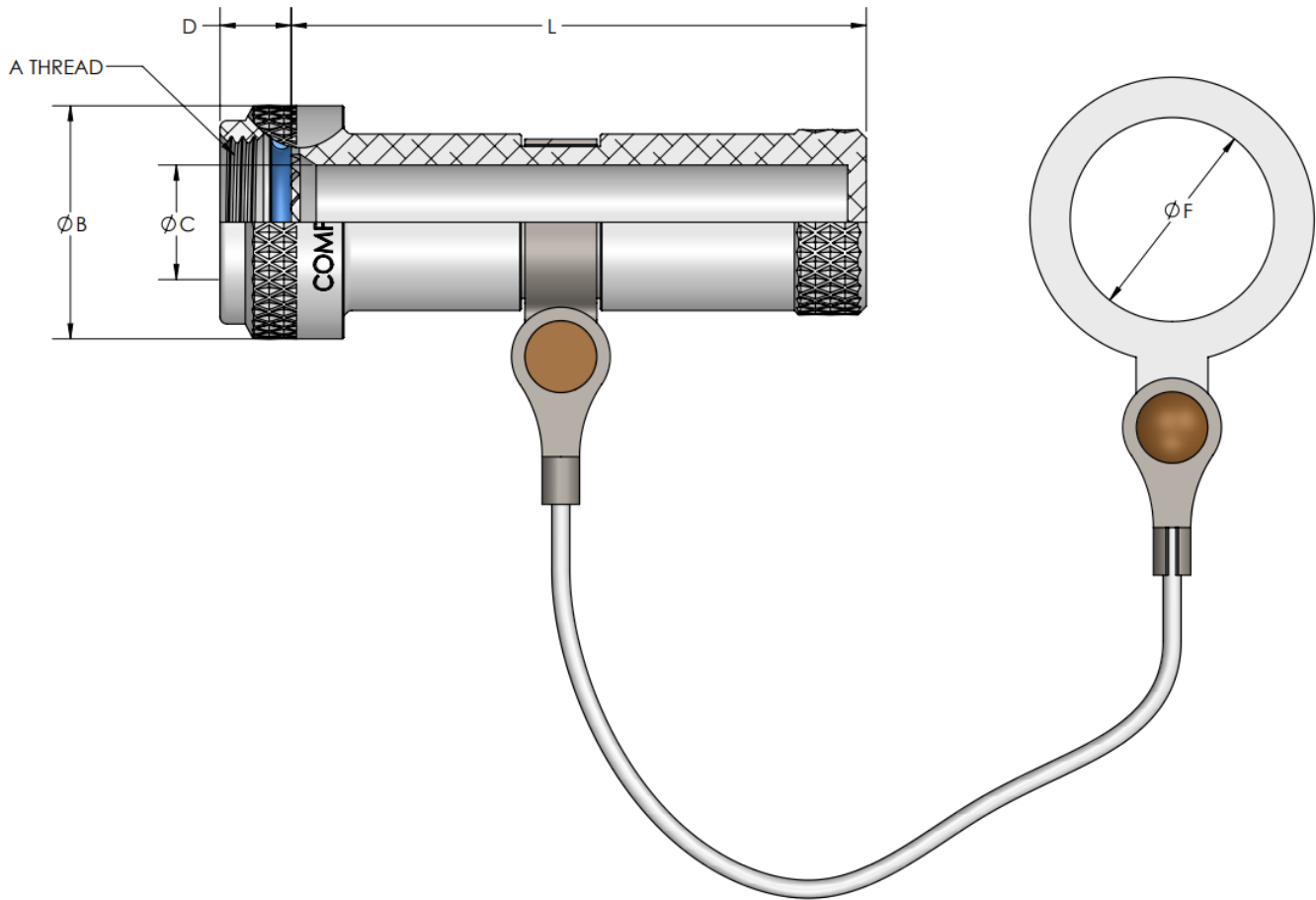


SERIES 34 Shorting Caps



CP A 34 1 W D - 12 10 - S 4.5 - 02

Compaero Identifier

Connector Interface

See sections below for details

Series Identifier

Angle

Material & Finish

See sections below for details

Coupling Ring Option

Omit for standard rotatable

E - Seat-lock™ (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

See sections below for details

Eyelet Or Security Ring Option

Omit for None

See table 2 & Table 3

Lanyard Length (Omit for None)

In Inches, 0.500" Increments

(4.5 = 4.50 Inches)

Lanyard Style

See Table 1

Shorting Cap Length Option (L)

Omit for 1.50"

0.25" Increments (10 = 2.50")

Shell Size

See Interface table for details

SERIES 34

Shorting Caps



#8 Stainless Steel Sash Chain



Stainless Steel Wire Rope with choice of Jacket Material



Stainless Steel Bead Chain



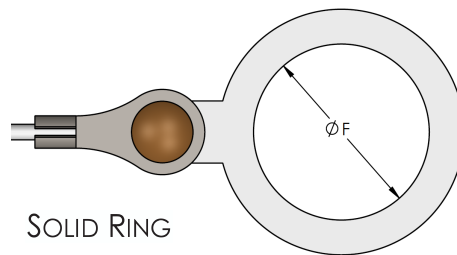
Nylon Rope, Black

TABLE 1 - LANYARD OPTIONS

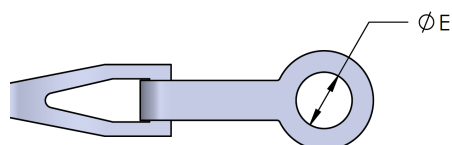
ORDERING CODE	DESCRIPTION
X	No Accessory
R	Stainless Steel Wire Rope, PVC Jacket
B	Stainless Steel Bead Chain
S	Stainless Steel Sash Chain
G	Nylon Rope, Black
Y	Stainless Steel Wire Rope, Nylon Jacket
T	Stainless Steel Wire Rope, Teflon Jacket
U	Stainless Steel Wire Rope, Polyurethane Jacket

TABLE 2
EYELET SPECIFICATIONS

Dash Number	Ø E
00	No Eyelet
01	0.140 (3.6)
02	0.167 (4.2)
03	0.197 (5.0)
04	0.125 (3.2)
05	0.156 (4.0)
06	0.182 (4.6)
07	0.191 (4.9)
08	0.218 (5.5)



SOLID RING



EYELET

TABLE 3
SOLID RING SPECIFICATIONS

Dash Number	Ø F
20	.512 (13.0)
21	.583 (14.8)
22	.709 (18.0)
23	.787 (20.0)
24	.906 (23.0)
25	1.024 (26.0)
26	1.178 (30.0)
27	1.266 (32.2)
28	1.428 (36.3)
29	1.535 (39.0)
30	1.678 (42.6)
31	1.760 (44.7)
32	1.890 (48.0)
33	2.140 (54.4)
34	2.406 (61.1)
35	2.656 (67.5)

inches (millimeters)

SERIES 34

Shorting Caps

COMPAERO
India Pvt. Ltd.

INTERFACE TABLE

INTERFACE CODES				SERIES 38 DIMENSIONS				
A	DK	F	H	A THREAD	B REF	C REF	D REF (INT)	D REF (INT)
	08	08		7/16 - 28 UNEF	0.650	0.269		.188 (F)
			09 (A)	M12 X 1 - 6H	0.770	0.270	.248 (H)	
08				1/2 - 20 UNF	0.650	0.270	.305 (A)	
03	10	10		9/16 - 24 UNEF	0.770	0.520	.305 (A)	.188 (F)
			11 (B)	M15 X 1 - 6H	0.820	0.410	.248 (H)	
10				5/8 - 24 UNEF	0.770	0.375	.305 (A)	
	12	12		11/16 - 24 UNEF	0.890	0.645		.188 (F)
			13 (C)	M18 X 1 - 6H	0.940	0.520	.248 (H)	
12				3/4 - 20 UNEF	0.940	0.511	.305 (A)	
	14	14		13/16 - 20 UNEF	1.020	0.730		.188 (F)
			15 (D)	M22 X 1 - 6H	1.070	0.650	.248 (H)	
14				7/8 - 20 UNEF	1.020	0.585	.305 (A)	
	16	16		15/16 - 20 UNEF	1.150	0.855		.188 (F)
			17 (E)	M25 X 1 - 6H	1.210	0.780	.248 (H)	
16				1 - 20 UNEF	1.210	0.710	.305 (A)	
18	18	18		1 1/16 - 18 UNEF	1.230	0.789	.305 (A)	.188 (F)
			19 (F)	M28 X 1 - 6H	1.360	0.880	.248 (H)	
				1 1/8 - 18 UNEF	1.360	0.810		
20	20	20		1 3/16 - 18 UNEF	1.360	0.914	.305 (A)	.188 (F)
			21 (G)	M31 X 1 - 6H	1.480	1.010	.248 (H)	
				1 1/4 - 18 UNEF	1.530	0.946		
22	22	22		1 5/16 - 18 UNEF	1.480	1.039	.305 (A)	.188 (F)
			23 (H)	M34 X 1 - 6H	1.600	1.150	.248 (H)	
24	24	24		1 7/16 - 18 UNEF	1.730	1.154	.305 (A)	.188 (F)
			25 (J)	M37 X 1 - 6H	1.700	1.260	.248 (H)	
61				1 1/2 - 18 UNEF	1.670	1.194	.305 (A)	
				1 9/16 - UNEF	1.820	1.222		
28				1 3/4 - 18 UNS	1.970	1.389	.467 (A)	
				1 7/8 - 16 UN	2.190	1.422		
32				2 - 18 UNS	2.220	1.635	.467 (A)	
				2 1/16 - 16 UNS	2.440	1.672		
36				2 1/4 - 16 UN	2.470	1.850	.467 (A)	
40				2 1/2 - 16 UN	2.720	2.065	.467 (A)	
44				2 3/4 - 16 UN		2.320	.467 (A)	
48				3 - 16 UN		2.570	.467 (A)	

All dimensions in inches

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CONNECTOR INTERFACE CODES

For standard circular interfaces



Compaero offer termination solutions for virtually all known connector interfaces, the variants highlighted below are our standard lines, available on all product lines.

To discuss connector interface options not shown, please contact your local sales representative, or visit www.compaeroindia.com

CONNECTOR INTERFACE	INTERFACE CODE
EN2997, ESC10, ESC11	A
EN3645	H
MIL-DTL-26482 SERIES I SOLDER MS3110, MS3116 WITHOUT ACCESSORY TEETH	DK
MIL-DTL-26482 SERIES II MS3470, MS3471, MS3472, MS3474, MS3475, MS3476	A
MIL-DTL-38999 SERIES I & II MS27466 - 68, MS27472 - 74, MS27479 - 81, MS27484, MS27497, MS27652, MS27653, M27656	F
MIL-DTL-38999 SERIES III & IV D38999/20, /24, /26, /40, /46, /47	H
MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Amphenol - Class A (Blue Insert)	BA*
MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Bendix - Class A, E & R	BB*
MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Cannon - Class A, E & R	BC*
MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Amphenol - Class R (Resilient Insert)	BR*
MIL-DTL-5015 CRIMP MS3400, MS3401, MS3404, MS3406, MS3450, MS3451, MS3454, MS3456	A
MIL-DTL-83723 SERIES I & III M83723 /1 - /8, /13, /14, /36 - /43, /48, /49, /65 - /78, /82 - /87, /91, /92, /95, /97, /98	A
BS9522 F0017 PATT 105 AMPHENOL 62GB	VA
VG95234 / BS9522 F0032 PATT 121B ABCIR RANGE	VB

MATERIAL & PLATING OPTIONS



All Compaero backshells are available in a wide selection of material and plating combinations, from heavy duty marine applications to lightweight aerospace solutions, there is an option for almost any situation.

CODE	MIL SPEC CODE	MATERIAL	PLATING	PROCESS	ROHS COMPLIANT
B		Marine Bronze	Shotblast, Nonreflective	1000 Hour Salt Spray, Conductive -65 to +200°C	Yes
C	A	Aluminum	Anodize, Black	AMS-A-8625 Type II Class 2, 336 Hour Salt Spray, Non-Conductive -65 to +175°C	Yes
F	N, F	Aluminum	Electroless Nickel	AMS-C-26074 Class 4 Grade B; ASTM-B-733, SC 2, Type IV, 48 Hour Salt Spray, Conductive -65 to +200°C	Yes
G		Aluminum	Anodize, Hardcoat, Black	AMS-A-8625 Type III, Class 2, .001" thick, 336 Hour Salt Spray, Non-Conductive -65 to +200°C	Yes
KB	B	Stainless Steel	Cadmium, Black	SAE-AMS-QQ-P-416 Type II Class 3 1000 Hour Salt Spray, Conductive -65 to +175°C	No
K	S	Stainless Steel	Passivate	SAE-AMS-SAE-AMS-QQ-P-35 Type VI 1000 Hour Salt Spray, Conductive -65 to +200°C	Yes
KL		Stainless Steel	Electrodeposited Nickel	SAE-AMS-QQ-N-290 Class 1 Grade F 1000 Hour Salt Spray, Conductive -65 to +200°C	Yes
TR		Aluminum	Zinc-Nickel, Black	ASTM B841 Grade 5 over electroless nickel 500 Hour Salt Spray, Conductive -65 to +175°C	Yes
T		Aluminum	Zinc-Nickel, Black	ASTM B841 Grade 5 over electroless nickel 1000 Hour Salt Spray, Conductive -65 to +175°C	No
W	W	Aluminum	Cadmium, Olive Drab	SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel 1000 Hour Salt Spray, Conductive -65 to +175°C	No
X		Aluminum	Unplated		Yes
Y		Aluminum	Zinc-Cobalt, Olive Drab	ASTM B 840 Grade 6 Type D over electroless nickel, 350 Hour Salt Spray, Conductive -65 to +175°C	Yes
ZN		Aluminum	Zinc-Nickel, Olive Drab	ASTM B841 Grade 5 over electroless nickel 1000 Hour Salt Spray, Conductive -65 to +175°C	No
Z		Aluminum	Zinc-Cobalt, Black	ASTM B 840 Grade 6 Type D over electroless nickel 350 Hour Salt Spray, Conductive -65 to +175°C	Yes

For the full list of available options, please consult www.compaeroindia.com
Please note that the colours shown above are for illustrative purposes only - actual finish colour may vary.

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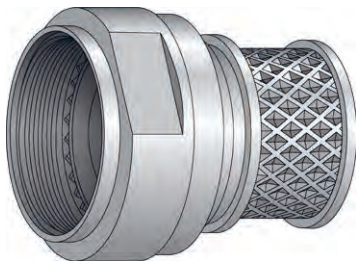
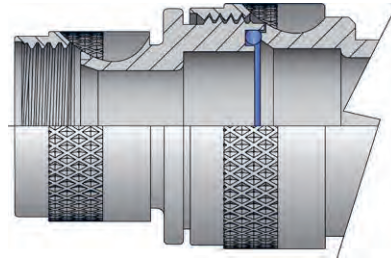
Type 2 Coupling Rings

When the selected cable entry exceeds the **MAX ENTRY** stated in the **INTERFACE TABLE**, you may choose to have a type 2 assembly. The two-piece assembly allows a large cable diameter to be maintained as close to the connector body as possible, allowing maximum continuation of screens and wire protection, whilst also providing an access point close to the connector.

To specify a type 2 assembly, place modification code -079 at the end of the part number when ordering.

Modification Code Example: CPA461W-1410-VG0-079

To receive a standard one-piece adapter, no modification code is needed.

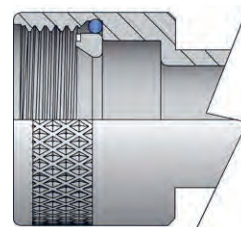


Wrench Flat Coupling Rings OPTION W

Wrench flats are an available option on most Compaero adapters and backshells, allowing for an easier way of tightening the coupling ring when working with reduced accessibility.

Direct Coupling Rings OPTION D

Available on straight adapters only.



Seat-Lock Coupling Rings, Non-Detent Self-Locking OPTION E

Using a spring loaded retaining ring, Compaero Seat-Lock coupling rings are a non detent way to achieve self locking. This option ensures that the accessory teeth of the connector mate properly with the teeth on the adapter or backshell by applying constant force between the two. The Compaero Seat-Lock option is an excellent choice if an easy, economical self locking solution is required.

Safety Wire Holes OPTION T

Safety wire holes can be specified on standard rotatable coupling rings for use with safety wire after installation. Safety wire ensures the coupling ring will not un-couple during shock and/or vibration. These are common on AS85049 accessories. When this option is specified the coupling ring will have 3 equally spaced wire holes (120 degrees apart), sufficient to accommodate 0.020 inch wire.

Self-Locking Coupling Rings, Detent OPTION S

Detent style self locking features a ratcheting coupling ring using non corrosive clips located within the coupling ring. Many AS85049 specifications specify this detent style self locking coupling ring making this one of the most popular ways of achieving a self locking adapter or backshell.

The above coupling ring options are available on most Compaero backshells and adapters. Please contact the sales team for more information.

RECOMMENDED TORQUE VALUES



The below figures are provided to support operators already trained in the installation of heat shrinkable products and harnessing components. They identify the recommended torque values to be used when installing adapters onto circular electrical connectors, to consistently tighten adapters in a controlled manner.

For any questions or further instructions please contact us and we will be happy to assist you.

Connector Accessories onto Connector Threads

SHELL SIZE	MIL-DTL-26500 MIL-DTL-81511 MIL-DTL-26482 S1 MIL-DTL-38999 S1/S2 MIL-DTL 5015 Solder		MIL-DTL-26482 S2 MIL-DTL-28840 MIL-DTL-83723 MIL-DTL-22992 MIL-DTL-5015 Crimp MIL-DTL-38999 S3/S4	
	in - lb	Nm	in - lb	Nm
08/09	30 - 40	3.4 - 4.5	51 - 61	5.8 - 6.9
10/11	30 - 40	3.4 - 4.5	71 - 81	8.0 - 9.2
12/13	35 - 45	4.0 - 5.1	103 - 113	11.6 - 12.8
14/15	35 - 45	4.0 - 5.1	111 - 121	12.5 - 13.7
16/17	35 - 45	4.0 - 5.1	111 - 121	12.5 - 13.7
18/19	35 - 45	4.0 - 5.1	111 - 121	12.5 - 13.7
20/21	75 - 85	8.5 - 9.6	131 - 141	14.8 - 15.9
22/23	75 - 85	8.5 - 9.6	131 - 141	14.8 - 15.9
24/25	75 - 85	8.5 - 9.6	131 - 141	14.8 - 15.9
28	115 - 125	13.0 - 14.1	143 - 153	16.2 - 17.3
32	115 - 125	13.0 - 14.1	143 - 153	16.2 - 17.3
36	115 - 125	13.0 - 14.1	143 - 153	16.2 - 17.3
40	155 - 165	17.5 - 18.6	159 - 169	18.0 - 19.1
44	155 - 165	17.5 - 18.6	159 - 169	18.0 - 19.1
48	155 - 165	17.5 - 18.6	159 - 169	18.0 - 19.1

Cable Clamps onto Backshells

CLAMP-SIZE	TORQUE VALUES	
	in - lb	Nm
01	35 - 40	4.0 - 4.5
02	35 - 40	4.0 - 4.5
03	35 - 55	4.0 - 6.2
04	35 - 55	4.0 - 6.2
05	35 - 55	4.0 - 6.2
06	40 - 60	4.5 - 6.8
07	40 - 60	4.5 - 6.8
08	40 - 60	4.5 - 6.8
09	80 - 100	9.0 - 11.3
10	80 - 100	9.0 - 11.3
11	80 - 100	9.0 - 11.3
12	80 - 100	9.0 - 11.3

Cable Clamp Hardware

THREAD-SIZE	TORQUE VALUES	
	in - lb	Nm
2-56	1.5 - 2.5	0.2 - 0.3
4-40	3.5 - 4.5	0.4 - 0.5
6-32	5.0 - 7.0	0.6 - 0.8
8-32	7.0 - 9.0	0.8 - 1.0
10-32	9.0 - 11.0	1.0 - 1.2
1/4-20	11.0 - 13.0	1.2 - 1.5