

HEAT SHRINK TERMINATION SLEEVES

AS83519/3 Type HST Sleeve



077-030 • Pre-Installed Braid, Pre-Tinned on Both Ends

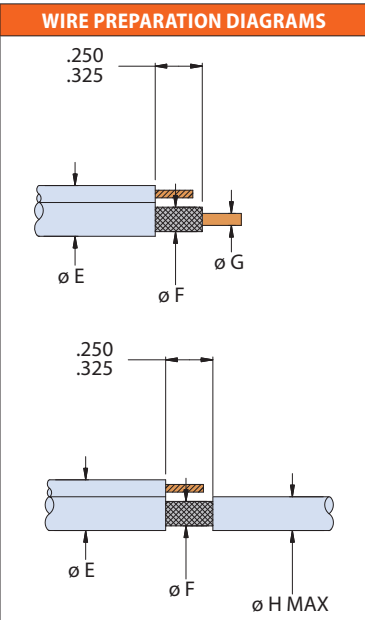
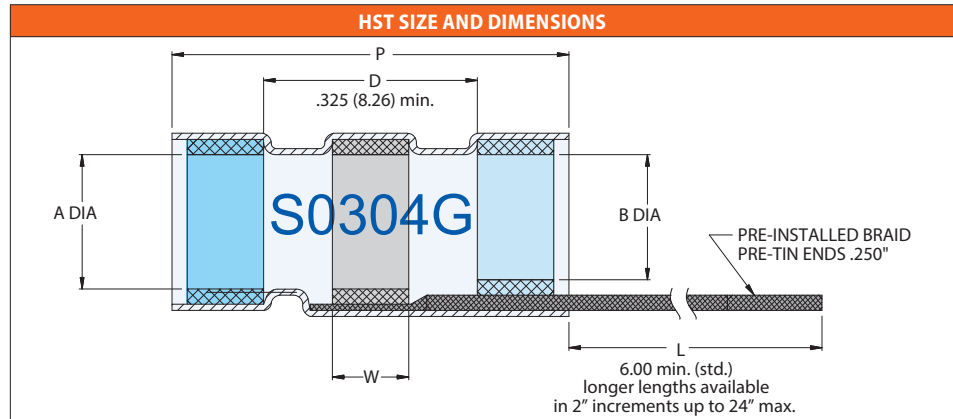


Designed to meet SAE AS83519 performance requirements, Glenair Heat Shrink Termination (HST) shield to ground termination sleeves with pre-installed braid are fabricated from radiation cross-linked translucent blue PVDF tubing. Each HST device is equipped with a pre-fluxed solder preform and thermally-stabilized thermoplastic sealing rings that encapsulate and protect the shield-to-ground termination. Pre-tinned, braided ground lead materials available in standard A-A-59569 tin-, nickel-, and silver-copper braid, or Glenair signature AmberStrand and ArmorLite.

MATERIAL AND PERFORMANCE NOTES

- Insulation sleeve: heat-shrinkable, translucent blue PVDF
- Radiation crosslinked per AS23053/8
- Solder: Sn63 per IPC-J-STD-006
- Flux: ROL1 per IPC-J-STD-004
- Sealing ring: thermally stabilized thermoplastic, color blue
- Temperature rating: -55°C to +150°C
- Cable jacket rating: 125°C min
- Braided shield ground lead
- Contact Glenair for other braid sizes and options

HOW TO ORDER					
Sample Part Number	077	-030	03	T	-12
Product Series	HST Sleeve				
Basic No.	-030 With pre-installed braid, pre-tinned				
Size / Braid Material	01 – 60 (See Table)				
Thermal Indicator	T = With thermal indicator Omit for none				
Braid Length	In Inches. Omit for standard 6 in. Longer braid available in 2" increments, 24" max.				



HST SIZE AND DIMENSIONS: ARMORLITE BRAID 103-051

Size	ØA Min	ØB Min	P±.07	W Ref	ArmorLite Braid P/N	Marking Code	ØE Max	ØF Min	ØG Min	ØH Max
31	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	103-051-004	S0331G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
32	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0332G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
33	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0333G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
34	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0334G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
35	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0335G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
36	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	103-051-002	S0336G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
37	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0337G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
38	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0338G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
39	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0339G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
40	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0340G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)

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077-030 • Pre-Installed Braid, Pre-Tinned on Both Ends

HST SIZE AND DIMENSIONS: TIN-COPPER BRAID 36AWG PER A-A-59569										
Size	ØA Min	ØB Min	P±.07	W Ref	Tin-Copper Braid P/N	Marking Code	ØE Max	ØF Min	ØG Min	ØH Max
01	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	101-004-062-36 CMA 1200 Construction: 24X2/36	S0301G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
02	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0303G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
03	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0303G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
04	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0304G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
05	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0305G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
06	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	101-004-031-36 CMA 600 Construction: 24X1/36	S0306G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
07	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0307G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
08	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0308G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
09	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0309G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
10	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0310G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)

HST SIZE AND DIMENSIONS: AMBERSTRAND BRAID 103-027										
Size	ØA Min	ØB Min	P±.07	W Ref	AmberStrand Braid P/N	Marking Code	ØE Max	ØF Min	ØG Min	ØH Max
21	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	103-027-004	S0321G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
22	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0322G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
23	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0323G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
24	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0324G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
25	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0325G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
26	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	103-027-002	S0326G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
27	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0327G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
28	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0328G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
29	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0329G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
30	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0330G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)

HST SIZE AND DIMENSIONS: SILVER-COPPER BRAID PER A-A-59569										
Size	ØA Min	ØB Min	P±.07	W Ref	Silver-Copper Braid P/N	Marking Code	ØE Max	ØF Min	ØG Min	ØH Max
41	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	101-004-062-36S CMA 1200 Construction: 24X2/36	S0341G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
42	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0342G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
43	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0343G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
44	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0344G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
45	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0345G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
46	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	101-004-031-36S CMA 600 Construction: 24X1/36	S0346G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
47	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0347G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
48	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0348G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
49	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0349G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
50	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0350G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)

HST SIZE AND DIMENSIONS: NICKEL-COPPER BRAID PER A-A-59569										
Size	ØA Min	ØB Min	P±.07	W Ref	Silver-Copper Braid P/N	Marking Code	ØE Max	ØF Min	ØG Min	ØH Max
51	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	101-004-062-36N CMA 1200 Construction: 24X2/36	S0351G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
52	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0352G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
53	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0353G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
54	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0354G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
55	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0355G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
56	.105 (2.67)	.075 (1.91)	.65 (16.5)	.095 (2.42)	101-004-031-36N CMA 600 Construction: 24X1/36	S0356G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
57	.145 (3.68)	.105 (2.67)	.65 (16.5)	.095 (2.42)		S0357G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
58	.200 (5.08)	.170 (4.32)	.65 (16.5)	.125 (3.18)		S0358G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
59	.255 (6.48)	.235 (5.97)	.75 (19.0)	.125 (3.18)		S0359G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
60	.300 (7.62)	.275 (7.0)	.75 (19.0)	.125 (3.18)		S0360G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)