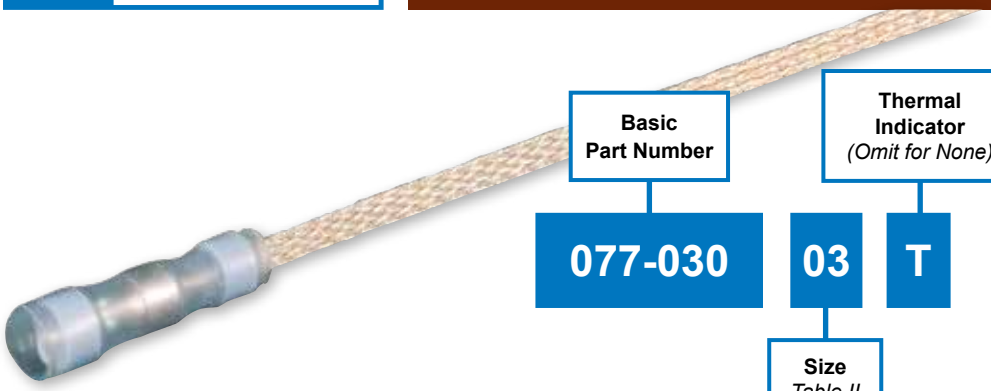
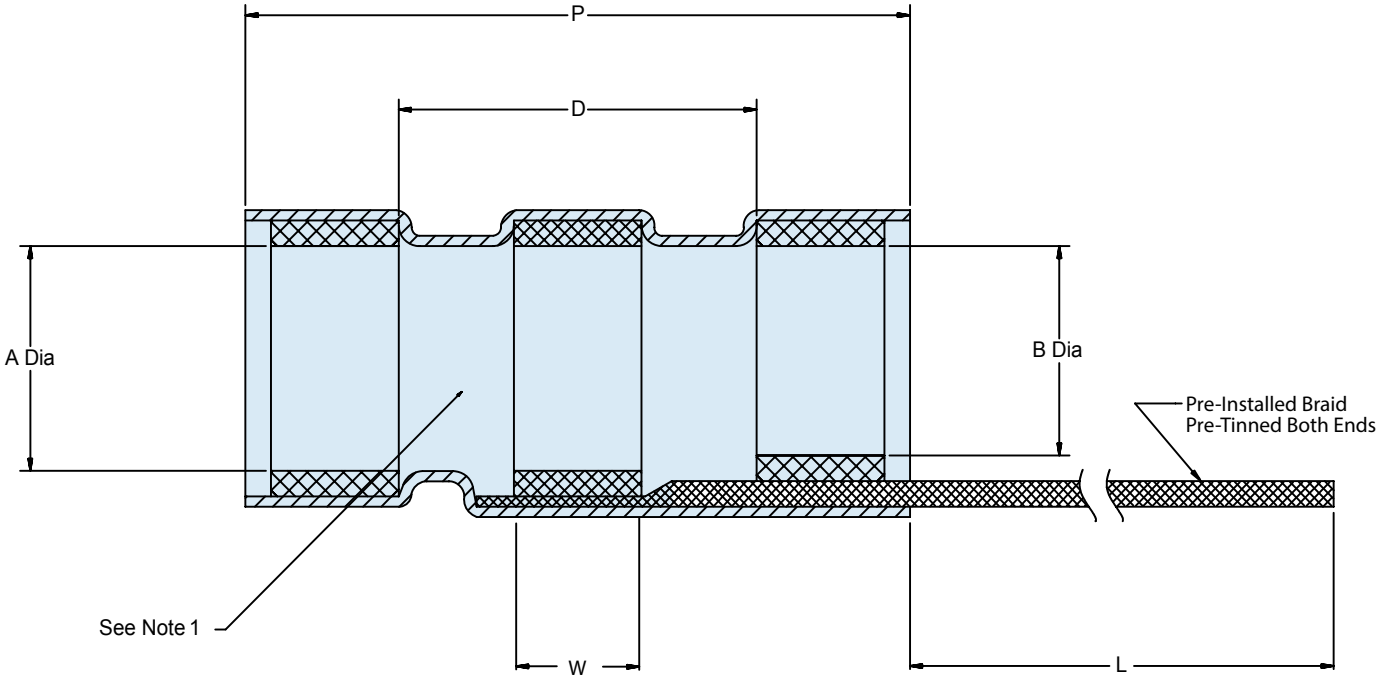
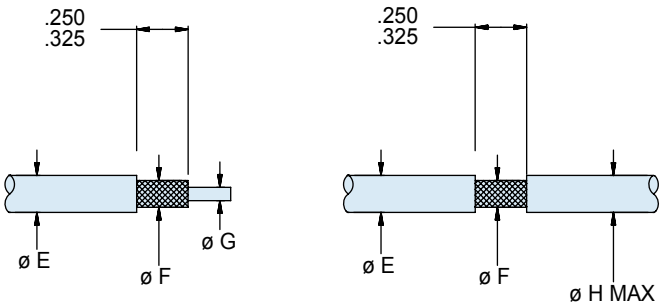
077-030
AS83519/2 Type Heat Shrink Termination (HST) Sleeves
Pre-Installed Braid Pre-Tinned on Both Ends



Basic Part Number	Size (Table II)	Thermal Indicator (Omit for None)
077-030	03	T





Dimensions in Inches (millimeters) are subject to change without notice.

U.S. CAGE Code 06324
Printed in U.S.A.

077-030
AS83519/2 Type Heat Shrink Termination (HST) Sleeves
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 are fabricated from special transparent cross-linked polyvinylidene fluoride tubing to deliver optimal environmental shield termination in aerospace and defense industry applications. Each HST device is equipped with a pre-fluxed solder preform and thermally stabilized thermoplastic sealing rings that encapsulated and protect the shield-to-ground termination. Glenair HST devices are tested to perform from -55ºC to 125ºC IAW SAE AS83519. Please contact the factory for alternative ground lead materials including lightweight AmberStrand and ArmorLite.

TABLE I: Dimensions, Marking Code and Braid Information

Size	A Dia Min	B Dia Min	P ± .07 (1.8)	D Min	W Ref	L Min	Tin Copper Braid 36 AWG Ref 101-004	Marking Code	E Dia Max	F Dia Min	G Dia Min	H Dia Max
01	.105 (2.67)	.075 (1.91)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-062-36	S0301G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
02	.145 (3.68)	.105 (2.67)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-062-36	S0302G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
03	.200 (5.08)	.170 (4.32)	.65 (16.5)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-062-36	S0303G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
04	.255 (6.48)	.235 (5.97)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-062-36	S0304G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
05	.300 (7.62	.275 (7.0)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-062-36	S0305G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
06	.105 (2.67)	.075 (1.91)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-031-36	S0306G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
07	.145 (3.68)	.105 (2.67)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-031-36	S0307G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
08	.200 (5.08)	.170 (4.32)	.65 (16.5)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-031-36	S0308G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
09	.255 (6.48)	.235 (5.97)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-031-36	S0309G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
10	.300 (7.62	.275 (7.0)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-031-36	S0310G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)

TABLE II: Dimensions, Marking Code and Braid Information

11	.105 (2.67)	.075 (1.91)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-062-36N	S0311G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
12	.145 (3.68)	.105 (2.67)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-062-36N	S0312G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
13	.200 (5.08)	.170 (4.32)	.65 (16.5)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-062-36N	S0313G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
14	.255 (6.48)	.235 (5.97)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-062-36N	S0314G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
15	.300 (7.62	.275 (7.0)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-062-36N	S0315G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)
16	.105 (2.67)	.075 (1.91)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-031-36N	S0316G	.105 (2.65)	.035 (0.90)	.020 (0.50)	.075 (1.90)
17	.145 (3.68)	.105 (2.67)	.65 (16.5)	.325 (8.26)	.095 (2.42)	6.00 (152.4)	101-004-031-36N	S0317G	.145 (3.68)	.055 (1.40)	.030 (0.72)	.105 (2.65)
18	.200 (5.08)	.170 (4.32)	.65 (16.5)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-031-36N	S0318G	.200 (5.08)	.085 (2.15)	.050 (1.25)	.170 (4.30)
19	.255 (6.48)	.235 (5.97)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-031-36N	S0319G	.255 (6.45)	.130 (3.30)	.070 (1.80)	.235 (5.95)
20	.300 (7.62	.275 (7.0)	.75 (19.0)	.325 (8.26)	.125 (3.18)	6.00 (152.4)	101-004-031-36N	S0320G	.300 (7.60)	.170 (4.30)	.100 (2.50)	.275 (7.00)

Material/Finish:

- Insulation sleeve - Heat-shrinkable, radiation crosslinked, modified polyvinylidene fluoride per MIL-I-23053/8. Color - Transparent blue.
- Meltable sealing ring - Thermally stabilized thermoplastic, color blue.
- Solder preform - Alloy Sn63 per ANSI-J-STD-004.
- Flux - ROM1 per ANSI-J-STD-004 (to be used on nickel plated shields only).
- Optional thermo indicator - Color to colorless.
- -90 = Wire color is white with black stripes. Consult factory for additional colors.

Application:

- Temperature rating, Table I -55°C to +150°C, Cable jacket rating - 125° Min.
- Temperature rating, Table II -55°C to +175°C, Cable jacket rating - 150° Min.
- Shield plating, Table I - Tin or silver.
- Shield plating, Table II - Nickel.
- For best results prepare cable as shown (See Page 6).
- Braid Length - 6 inches, standard. Lengths in 8, 12, 18 and 24-inches available.

Dimensions in Inches (millimeters) are subject to change without notice.