

TYPES YAV BOX AND YAV

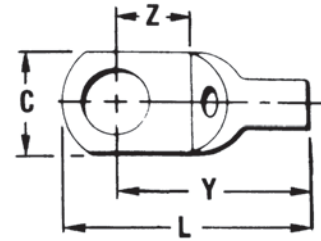
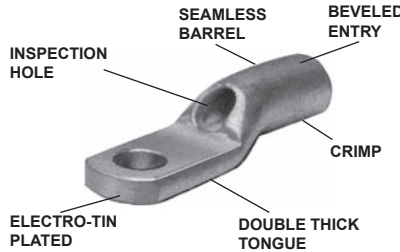
HYLUG™

Seamless Uninsulated Compression Heavy Duty Ring Tongue Terminal

HYLUG™ type YAV is a seamless, heavy duty uninsulated compression ring tongue terminal manufactured from pure electrolytic copper tubing and is for use on copper commercial (code) cable, type AN aircraft cable and extra flexible conductors. Because of its seamless design, the YAV HYLUG™ also accommodates solid conductors.

The seamless tubing produces a double thick tongue and a strong connector for demanding applications that require high reliability. Applications include industrials, hospitals, electric utilities, aircraft, shipboard and marine, computers, steel mills, mining equipment and other equipment that is subject to vibration or requiring dependable electrical performance.

The YAV HYLUG™ terminals meet the requirements of SAE-AS7928.



Features & Benefits

- Manufactured from seamless pure electrolytic copper tubing
- Provides maximum conductivity, low resistance and excellent ductility for crimping
- Seamless tubular crimp barrel design
- No seams to split resulting in a very high quality electrical connection, also can be used on solid conductor
- Double thick tongue
- Provides a very strong terminal tongue
- Produced from tubular copper
- Extra copper material assures the compression connector will operate cooler than the conductors it connects
- Internally bevelled barrel
- Provides easy cable entry, especially for flexible conductors

- Inspection hole
- Provides easy visual check for proper conductor insertion
- Electro-tin plated
- Provides long lasting durable corrosion resistance
- Nickel plating available, add "NK" suffix
- Nickel plated HYLUG™ provide high temperature applications up to 650° F continuous service and 750° F intermittent service



NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range	Stud Size	Dimensions				Bulk Catalog Number	Installation Tooling	Wire Strip Length			
			C	L Max.	Y Max.	Z Min.						
YAV18-T4BOX	22-18 Str. and Sol.	3,4	0.19	0.59	0.54	0.16	YAV18T4	Non-Ratchet: Y10D, Y10-22 Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, MRE1022B	9/32"			
YAV18-L33BOX		4-6	0.25	0.63	0.55	0.18	YAV18L33					
YAV18-T5BOX		6-8	0.31	0.76	0.61	0.24	YAV18T5					
YAV18-T1BOX							YAV18T1					
YAV18BOX		8-10	0.29	0.70	0.59	0.18	YAV18					
YAV14-L33BOX	20-14 Str.	4-6	0.25	0.67	0.59	0.18	YAV14L33	Non-Ratchet: Y10D, Y10-22 Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, MRE1022B	9/32"			
YAV14-T5BOX		6-8	0.31	0.79	0.64	0.24	YAV14T5					
YAV14-T1BOX							YAV14T1					
YAV14-L36BOX	20-12 Sol.	8-10	0.29	0.79	0.64	0.24	YAV14L36					
YAV14BOX		1/4	0.40	0.99	0.75	0.32	YAV14					
YAV14-T2BOX							YAV14T2					
YAV14-T3BOX							YAV14T3					
YAV12-G2BOX ■	† 14-12 Str.	8-10	0.30	0.78	0.67	0.24	YAV12G2	Y10D, Y8MRB-1, M8ND w/N14HT	9/32"			
YAV12-G3BOX ■		1/4	0.34	1.00	0.76	0.33	YAV12G3					
YAV10-T7BOX	14 Str. 12-10 Str. and Sol.	4-6	0.28	0.93	0.78	0.24	YAV10T7*	Non-Ratchet: Y10D, Y10-22 Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, N10HT, N10HT-24, MRE1022B	7/16"			
YAV10-T11BOX		6-8	0.38		0.79	0.26	YAV10T11					
YAV10-L36BOX		8-10	0.29	0.86	0.71	0.23	YAV10L36					
YAV10BOX							0.36			0.97	0.79	0.25
YAV10-T3BOX		1/4	0.45	1.10	0.87	0.31	YAV10T3					
YAV10-T2BOX		5/16	0.53	1.13			YAV10T2*					
YAV10-T4BOX		3/8	0.53	1.20	0.88	0.36	YAV10T4*					
YAV9C-L36BOX		10-9 Str.	8-10	0.31	0.94	0.83	0.15			YAV9CL36	Ratchet: MR8-9Q, Y8MRB-1	7/16"
YAV9C-T9BOX			1/4	0.44	1.15	0.95	0.31			YAV9CT9		
YAV9C-T4BOX			5/16	0.52	1.23	1.02	0.36			YAV9CT4		

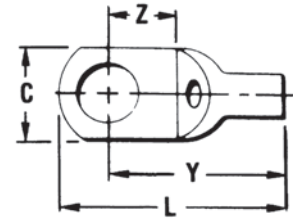
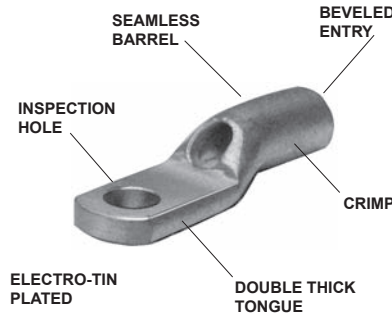
■ Use #14 groove

† UL Listed for 14 Str. to #10 Sol. & Str. when installed with MR8G98 and Y8MRB-1 tools only.

* Class 1 & 2 connectors

TYPES YAV-L BOX AND YAV-L (Continued)

HYLUG™



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NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Catalog Number	Wire Range (AWG/kcmil)	Stud Size	SAE-AS20659 Dash No. †	Dimensions (Inches)				Bulk Catalog Number	Installation Tooling				Wire Strip Length
				C	L Max.	Y Max.	Z Max.		HYTOOL™	Die Index	HYPRESS™		
											Y29B, Y29NC	Y35, Y39, Y750 ▲	
YAV1C-L1BOX	1 Aircraft AN 1 Flex	1/4	-115	0.76	1.84	1.45	0.38	Non-Ratchet: MY28, MY29-11	42	DV1L Nest Y29PL Indentor (1) Crimp	UV1L Nest Y34PLA Indentor (1) Crimp	5/8"	
YAV1C-L2BOX		5/16	-149	0.76	1.84	1.45	0.38						YAV1C-L2 ●
YAV1C-LBOX		3/8	-116	0.76	1.84	1.45	0.38						YAV1C-L
YAV1C-L3BOX		1/2	-134	0.86	1.97	1.54	0.46						YAV1C-L3
YAV25-L1BOX	1/0 Aircraft AN 1/0 Flex	1/4	-117	0.83	2.01	1.61	0.43	Non-Ratchet: MY28, MY29-11	43	DV25L Nest Y29PR Indentor (1) Crimp	UV25L Nest Y34PA Indentor (1) Crimp	11/16"	
YAV25-L2BOX		5/16	-151	0.83	2.03	1.61	0.43						YAV25-L2 ●
YAV25-LBOX		3/8	-118	0.83	2.03	1.61	0.43						YAV25-L ●
YAV25-L3BOX		1/2	-135	0.88	2.09	1.64	0.46						YAV25-L3 ●
YAV25-L4BOX		5/8	—	0.88	2.31	1.80	0.62	YAV25-L4					
YAV26-L1BOX	2/0 Aircraft AN 2/0 Flex	1/4	-153	0.93	2.32	1.85	0.48	Non-Ratchet: MY28, MY29-11	44	DV26L Nest Y29PR Indentor (1) Crimp	UV26L Nest Y34PA Indentor (1) Crimp	13/16"	
YAV26-L2BOX		5/16	-119	0.93	2.32	1.85	0.48						YAV26-L2
YAV26-LBOX		3/8	-120	0.93	2.32	1.85	0.48						YAV26-L ●
YAV26-L3BOX		1/2	-136	0.93	2.32	1.85	0.48						YAV26-L3 ●
YAV26-L12BOX		5/8	—	0.93	2.52	1.99	0.62	YAV26-L12					
YAV27-LBOX	3/0 Aircraft AN 3/0 Flex	3/8	-121	1.03	2.45	1.93	0.52	Non-Ratchet: MY28, MY29-11	45	—	UV27L Nest Y34PA Indentor (1) Crimp	13/16"	
YAV27-L1BOX		1/2	-122	1.03	2.45	1.93	0.52						YAV27-L1
YAV27-L15BOX		5/8	—	1.03	2.60	2.03	0.62						YAV27-L15
YAV28-L53BOX	4/0 Aircraft AN 4/0 Flex	1/4	—	1.12	2.28	1.83	0.28	Non-Ratchet: MY28, MY29-11	46	—	UV28L Nest Y34PA Indentor (1) Crimp	7/8"	
YAV28-LBOX		3/8	-123	1.12	2.72	2.16	0.60						YAV28-L
YAV28-L12BOX		1/2	-124	1.12	2.72	2.16	0.60						YAV28-L12
YAV28-L13BOX		5/8	-159	1.12	2.72	2.16	0.60						YAV28-L13
YAV28-L14BOX		3/4	-160	1.23	2.95	2.33	0.78						YAV28-L14

† Class 1.

- Available in (90°) right angle design. Suffix "RS" Replaces Suffix "L".
- ▲ Use Y35P3 Indentor Adapter with Y35 and Y39 Tool.

■ Bench Mount Adapter - Cat. BMY-BCH-MT is available for Type "MY" HYTOOLS™. Add "NK" suffix for nickel plated HYLUGs™ for high temperature applications up to 650° F continuous service and 750° intermittent service.