

TYPE YSM

HYLINK™ Splice

Uninsulated Parallel Splice



HYLINK™ type YSM seamless parallel splice connector permits wires to be laid parallel inside the connector and spliced together with BURNDY's compression HYTOOL™. Each YSM connector accommodates a wide combination of round, square, and rectangular copper conductors that have a total combined circular mil area listed in the table below. The conductors to be spliced must physically fit within the splice without being forced.

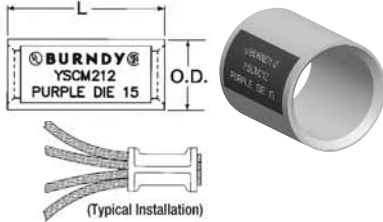
Catalog Number	Circular Mil. Range		Wire Strip Length
	Min.	Max.	
YSM18	300	1,909	5/16"
YSM14	477	4,107	5/16"
YSM10	4,107	10,380	7/16"
YSM8C	6,088	16,864	1/2"
YSM6C	10,380	26,83	1/2"
YSM4C	26,813	42,613	9/16"
YSM2C	42,613	66,832	11/16"
YSM1C	66,832	81,807	11/16"
YSM25	81,807	104,110	3/4"
YSM26	104,110	133,650	7/8"
YSM27	133,650	167,332	7/8"
YSM28	167,332	211,954	15/16"

TYPE YSCM

HYLINK™ Splice

Color-Coded

Uninsulated Parallel Splice



Type YSCM HYLINK™ seamless parallel splice connectors permit stranded wires to be laid parallel inside the connector and spliced together with BURNDY® compression tools. Each YSCM connector accommodates a wide range of conductors and is color-coded to ensure proper tool and die match. YSCM connectors are UL486A Listed for applications up to 600V and CSA Certified.

Catalog Number	Conductor Range Cable		Dimensions Inch		Color Code	Die Index	Recommended Installation Tooling*		Wire Strip Length
	Min.	Max.	±.03	±.01			OUR840, Y500CTHS, PAT600 Series	Y35, Y750, PAT750 Series	
YSCM17	13,060	16,910	.50	.27	Red	49	X8CRT, W8CRT	U8CRT	11/16"
YSCM27	16,910	26,890	.50	.31	Blue	7	X5CRT, W5CRT	U5CRT	11/16"
YSCM42	29,970	41,520	.50	.38	Gray	8	X4CRT, W4CRT	U4CRT	11/16"
YSCM66	42,750	66,040	.62	.47	Brown	10	X2CRT, W2CRT	U2CRT	3/4"
YSCM80	67,980	80,020	.62	.52	Green	11	X1CRT, W1CRT	U1CRT-1	3/4"
YSCM104	82,870	103,630	.69	.57	Pink	12	X25RT, W25RT	U25RT	15/16"
YSCM133	104,960	133,220	.81	.64	Black	13	X26RT, W26RT	U26RT	1-1/16"
YSCM167	134,340	166,560	.81	.70	Orange	14	X27RT, W27RT	U27RT	1-1/16"
YSCM212	167,380	211,820	.88	.78	Purple	15	X28RT, W28RT	U28RT	1-1/16"
YSCM231	—	230,800	1.05	.81	Yellow	16	X29RT, W29RT	U29RT	1-1/16"

* Recommended strip length. Strip length dependant on size, number of wires and insulation thickness.
** Refer to Circular Mil Table per ASTM B8 for total Class B Circular Mil calculations.

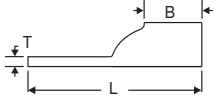
TYPE YA-L

One Hole HYLUG™

Standard Barrel Lugs for Copper Cable

UL Listed 90° C

600 Volts to 35 kV ♦



Copper compression terminals for regular-duty applications. Inspection hole ensures proper insertion of cable. Tin-plated. Marked with die index and color code.

Catalog Number	Conductor		Navy	Stud Hole Size	Tongue Width	Figure Dimensions		
	AWG	*** mm²				(B)	(T)	(L)
YA8CL-BOX	37/24 8 Weld	† 10	23	8 - 10	.41	.44	.08	1.16
YA8C-L1-BOX	8 AWG 6 Sol.		23	1/4	.44	.44	.08	1.26
YA6CL-BOX	6 AWG	—	—	1/4	.45	.54	.08	1.18
YA5CL-BOX	5 AWG	—	30	1/4	.44	.81	.07	1.65
YA4CL-BOX	4 AWG	—	40	1/4	.50	.81	.09	1.74
YA4CL6-BOX	4 AWG	—	40	1/2	.71	.81	.06	2.20
YA3CL	3 Str./2 Sol.	25	50	5/16	.55	.88	.09	1.88
YA2CL-BOX	2 AWG	35	60	5/16	.61	.88	.11	1.93
YA2CL6-BOX	2 AWG	35	60	1/2	.73	.88	.09	2.32
YA1CL-BOX	1 AWG	50	75	5/16	.68	.88	.01	1.94
YA1CL6-BOX	1 AWG	50	75	1/2	.73	.88	.09	2.37
YA25L6-BOX	1/0 AWG	—	100	1/2	.75	.88	.12	2.34
YA26L-BOX	2/0 AWG	70	125	3/8	.83	.94	.12	2.19
YA26L6-BOX	2/0 AWG	70	125	1/2	.83	.94	.12	2.44
YA27L-BOX	3/0 AWG	—	150	1/2	.91	1.00	.13	2.54
YA28L-BOX	4/0 AWG	—	200	1/2	1.02	.88	.14	2.46
YA29L-BOX	250 kcmil	—	250	1/2	1.11	1.06	.14	2.67
YA30L	300 kcmil	150	300	1/2	1.20	1.03	.16	2.69
YA31L	350 kcmil	185	350	1/2	1.29	1.06	.18	2.75
YA32L	400 kcmil	—	400	5/8	1.38	1.19	.19	3.18
YA34L	500 kcmil	240	—	5/8	1.55	1.27	.20	3.37
YA36L	600 kcmil	300	—	5/8	1.74	1.38	.27	3.72
YA38L	700 kcmil	—	—	5/8	1.84	1.45	.27	3.66
YA39L	750 kcmil	—	—	5/8	1.91	1.42	.27	3.67
YA40L	800 kcmil	400	—	5/8	1.98	1.42	.30	3.81
YA44L	1000 kcmil	500	—	5/8	2.19	1.65	.33	4.04

*** The mm² conductor sizes listed are the recommendations for Class 2 conductor.
† The mm² conductor size listed is for both Class 2 and Class 5 conductor.
For applications greater than 2000 Volts, consult cable manufacturer for voltage stress relief instructions.
Note: All dimensions shown are for reference only.

▲ Installation Tooling							
Catalog Number	Dieless (# of crimps)	Mechanical	Hydraulic		Color Code	Die Index	Wire Strip Length
		MD6, OUR840, MD7-34R	Y500CTHS	Y35, Y39, Y750, Y46*, PAT750			
YA8CL-BOX	Y1MRTC (1) Y8MRB-(1) MY29-11 (1) Y81KFT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	W8CVT (1) W8CRT (1) X8CRT (1)	U8CRT (1)	Red	49	7/16"
YA8C-L1-BOX	Y81KFTMBH (1) PAT81KFT-18V (1)						
YA6CL-BOX	Y1MRTC (1) MY29-3 (1) MY29-11 (1) MRC840 (1) Y81KFT (1) Y81KFTMBH (1) PAT81KFT-18V (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	W5CVT (1) W5CRT (1) X5CRT (1) X8CART (1)	U5CRT (1)	Blue	7	7/8"

(One Hole HYLUG™ Standard Barrel Installation Tooling Chart continued on next page)

45° and 90° lugs are available. For more information, please contact Customer Service: 1-800-346-4175.