



YA28, 4/0 AWG, CU, 1 Hole, 1/2 Stud, Long Barrel

By Burndy
Catalog # [YA28](#)



4/0 AWG CU, One Hole, 1/2 Stud Size, Long Barrel, Internal Chamfer, Tin Plated, UL/CSA, 90°C, Up to 35kV,PURPLE Color Code, 15 Die Index.

Features

- Barrel designed with internal chamfer at wire entry for smooth insertion of wire, preventing possible damage of the strands
- Long barrel length allows for an increased number of crimps increasing the mechanical strength of the connection
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color

Application

Wire Termination

General

Catalog Number	YA28
Color Code	Purple
Connector Type	LONG BARREL
Die Index	15
EU RoHS Indicator	Yes
Feature - Barrel Style	Chamfered
Feature - Barrel Type	Long
Finish Type	Tin-Plated
Material	COPPER
Physical Attribute - Number of Holes	1
Physical Attribute - Tongue Type	Standard
Plated	Y
Plating Type	Tin - Electro Plated
Sub Brand	HYLUG
Trade Name	HYLUG™
Type	Long Barrel, Tin Plated
UPC	781810503409
UPC 14 Digit GTIN	00781810503409

Dimensions

Dimension - B Length fraction	1-5/8 in
Dimension - B Length inch	1.62 in
Dimension - Bolt Hole Size inch	0.52 in
Dimension - Bolt Size fraction	1/2
Dimension - Bolt Size inch	0.5
Dimension - Hole Size fraction	1/2

Dimension - Hole Size inch	0.53
Dimension - Hole Size mm	13.5 mm
Dimension - L Length Overall mm	82 mm
Dimension - Length Overall inch	3.23 in
Dimension - N inch	0.53 in
Dimension - Outside Diameter inch	0.62 in
Dimension - Pad Width inch	1.02 in
Dimension - Strip Length inch	1-9/16
Dimension - Stud Size fraction	1/2
Dimension - Stud Size inch	1/2
Dimension - Thread Size	1/2
Dimension - Z (inch)	0.55 in
Physical Attribute - Tongue Angle	Straight
Thickness - Pad	0.14 in

Electrical Ratings

Voltage - Maximum	35000
Voltage Rating	35 kV

Conductor Related

Conductor - Copper Str Navy Size	200 (61) Navy
Conductor - Copper Str Size	4/0 AWG
Conductor - Copper Str Size Range	4/0 AWG
Conductor - Material	COPPER
Conductor Size	4/0 AWG
Conductor Type	CODE

Certifications And Compliance

Buy America(n) Qualified	• TAA Compliant (All status valid till December 2024) • BABA Compliant (All status valid till December 2024)
Certification - CSA Approved	Yes
Certification - ETL	No
Certification - UL Recognized	No
Certification - cULus	No

Industry Standard(s)	UL 486A-486B
Standards - Industry Standards Met	UL 486A-486B
Standards - RoHS Compliance Status	CM
UL Listed	Yes

Logistics

Carton Quantity	10
Minimum Pack Quantity	1

Product Assets

- 3D Models - YA28_MODEL-IGES
- 3D Models - YA28_MODEL-PDF

- 3D Models - YA28_MODEL-STEP
- Catalogs - BURNDY Master Catalog - Section C - Compression Connections
- Catalogs - BURNDY Master Catalog - Full Line BURNDY Catalog
- Customer Notices - Prop 65 Notice
- Installation Manuals - Copper Code Long Terminals Tooling and Installation Instructions
- Installation Manuals - Medium & Large HYDENT Copper & Aluminum Terminal Crimp Instructions with 750 Series 12-Ton Tool
- Interactive Catalog - BURNDY Full-Line Digital Catalog
- Sales Drawings - SD..079849-04
- Specifications - YA28
- Video - HYDENT Compression Terminal Overview Video



A Hubbell brand

DRAWING NO. SD079849		7			6		5		4		3		2		1									
D	CATALOG NUMBER	STRANDED COPPER CONDUCTOR ACCOMMODATED			BOLT SIZE	METRIC BOLT SIZE	DIMENSIONS							REV F			DATE 10/05/2014 00:00:00 AM		DESCRIPTION ADDED CATALOG NUMBER YA28TC14		ECO 38025	BY AS	C.H.K. MB	
		CODE (AWG)	NAVY	METRIC SIZE (CLASS 2)			B	C	K DIA.	L	N	O.D.	T REF.	Z MIN.										
	YA26	2/0 AWG	125	70mm ² STR [11]	3/8	M10	1.50 [38]	.83 [21]	.40 [10]	2.77 [70]	.41 [10]	.56 [14]	.12 [3]	.42 [11]										
	YA26N				1/2	M12		.83 [21]	.56 [14]	3.21 [82]	.63 [16]	.56 [14]	.12 [3]	.64 [16]										
	YA26TC14				1/4	M6		.83 [21]	.27 [7]	2.58 [66]	.31 [8]	.56 [14]	.12 [3]	.32 [8]										
	YA26TC516				5/16	M8		.83 [21]	.33 [8]	2.65 [67]	.34 [9]	.56 [14]	.12 [3]	.35 [9]										
	YA27	3/0 AWG	150	-----	1/2	M12	1.50 [38]	.91 [23]	.53 [13]	3.06 [78]	.53 [13]	.62 [16]	.13 [3]	.55 [14]										
	YA27N				1/2	M12		.91 [23]	.56 [14]	3.25 [82]	.63 [16]	.62 [16]	.13 [3]	.64 [16]										
	YA28TC14	4/0 AWG	200	-----	1/4	M6	1.62 [41]	1.02 [26]	.27 [7]	2.79 [71]	.31 [8]	.69 [18]	.14 [4]	.33 [8]										
	YA28TC38				3/8	M10	1.62 [41]	1.02 [26]	.40 [10]	2.98 [76]	.41 [10]	.69 [18]	.14 [4]	.42 [11]										
	YA28				1/2	M12	1.62 [41]	1.02 [26]	.53 [13]	3.23 [82]	.53 [13]	.69 [18]	.14 [4]	.55 [14]										
	YA28N				1/2	M12	1.62 [41]	1.02 [26]	.56 [14]	3.41 [87]	.63 [16]	.69 [18]	.14 [4]	.64 [16]										
INSTALLATION TOOLING (# CRIMPS)																								
C	CATALOG NO.	COLOR CODE	DIE INFORMATION		MECHANICAL				HYDRAULIC						DIELESS (# CRIMPS)	WIRE STRIP LENGTH								
			DIE INDEX	TYPE	YIMRTC	OUR840	MD6 MD7	MD6--R2 MD7-34R	PATMD6 PAT600 Y500CT	Y34A Y34B Y34BH	Y35,Y39 Y750, PAT750	Y46, PAT46	Y45	Y48B			Y60BHU							
	YA26 YA26N YA26TC14 YA26TC516	BLACK	13	BLACK DIE SET	-----	X26RT(4)	W26RT(4) W26VT(4)	W26RT(4) W26VT(4)	W26RT(4) W26VT(4)	-----	U26RT(2)	U26RT(2)	U26RT(2)	-----	-----	MECHANICAL: MY29-3(2) MY29-11(2) MRC840(4)	1-9/16"							
	YA27 YA27N	ORANGE	14	ORANGE DIE SET	-----	X27RT(6)	W27RT(4) W27VT(4)	W27RT(4) W27VT(4)	W27RT(4) W27VT(4)	-----	U27RT(2)	U27RT(2)	U27RT(2)	-----	-----		1-9/16"							
	YA28TC14 YA28TC38 YA28 YA28N	PURPLE	15	PURPLE DIE SET	-----	X28RT(6)	W28RT(4) W28VT(4)	W28RT(4) W28VT(4)	W28RT(4) W28VT(4)	-----	U28RT(2)	U28RT(2)	U28RT(2)	C28R (2)	L28RT (1)	HYDRAULIC: PAT81KFT(2) Y81KFT(2) PAT4PC834(2) Y4PC834(2) PAT644(1) Y644(1)	1-11/16"							
				NEST INDENTOR	-----	-----	-----	-----	B28D(1) A28D(1) Y34PR	U28D-1(1) Y34PR	U28D-1(1) Y34PR	U28D-1(1) Y34PR	C28D (1) Y48PR	-----										
B	NOTES:																							
	1. MATERIAL : COPPER TUBING.																							
	2. FINISH: ELECTRO-TIN PLATED.																							
		CATALOG # PT6515 ADAPTOR IS REQUIRED TO USE "U" DIES IN Y45 SERIES TOOLS.																						
		CATALOG # PUADP-1 ADAPTOR IS REQUIRED TO USE "U" DIES IN Y46 SERIES TOOLS.																						
		Y35P3 INDENTOR ADAPTOR REQUIRED FOR Y34PR INDENTOR.																						
		PERMANENT DIE IN TOOLING.																						
		DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS ROUNDED OFF TO THE NEAREST MILLIMETER, UNLESS OTHERWISE NOTED, AND ARE FOR REFERENCE ONLY.																						
		FOR USE BY CUSTOMERS THAT HAVE THIS HYPRESS™. NO NEW Y34A HYPRESSES™ ARE BEING PROCESSED. Y34A USES A--D NEST DIES ONLY.																						
		CONNECTORS ARE UL LISTED; UNDRILLED VERSIONS ARE NOT UL LISTED.																						
A		CONNECTORS ARE CSA CERTIFIED; UNDRILLED VERSIONS ARE NOT CSA CERTIFIED.																						
		FOR UNDRILLED VERSIONS ADD SUFFIX "U" TO END OF CATALOG NUMBER. FOR UNDRILLED VERSIONS, USE D MIN. = N MAX. + Z MIN.																						
		"X", "W-RT", "W-VT", "U", & "L" DIE SETS ARE COLOR CODED. "A", "B", AND "C" DIES ARE NOT COLOR CODED. NESTS AND INDENTOR TYPE ARE NOT COLOR CODED.																						
		FOR NICKEL PLATING ADD SUFFIX "NK" TO THE CATALOG NUMBER. NICKEL PLATED VERSIONS ARE UL & CSA LISTED.																						