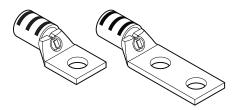


RFID enabled copper Smart® lugs Cable size: 3/0 AWG to 750 KCMIL

Color-Keyed



B IMPORTANT

Read and understand all instructions and safety information in this instruction sheet before use. Be aware of proper usage and potential hazards.

- \triangle warning \triangle

RISK OF SHOCK, DISCONNECT POWER BEFORE INSTALLATION. DO NOT CRIMP ON ENERGIZED WIRES.

1.0 General Information:

- Designed for use with dieless Smart[®] Tool+
- Color coded for use with conventional tools and dies
- Made of high conductivity copper with tin plating
- UL and CSA listed for copper code conductor and DLO flex (see table page 2)

2.0 Installing instructions:

- Strip insulation from conductor to length shown in table (on reverse side). Do not nick or cut conductor strands.
- Smart® Tool+: Scan RFID enabled lug with Smart® Tool+ to set tool compression parameters.
- Insert stripped conductor fully into lug. Insert lug into tool head and compress at barrel midpoint. Refer to tool instruction manual for additional operational details.
- Conventional tools: Insert stripped conductor into lug. Insert lug into die nest and compress between markings. For multiple compressions begin at markings nearest tongue.

3.0 Insulation methods:

1. Adhesive pad: AC5x3 for 3/0 & 4/0 lug. AC5x7 for all other sizes.

Using improper installing dies may

result in the connector failing in service.

 Shrink Tubing: HS4-30 for 3/0 size. HS40-400 for 4/0 through 400 sizes. HS500-1000 for 500 and above sizes.

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Product selection - Copper lugs									
Smart® Tool	+						Co	nventio	nal tools
Part no: (standard & long barrel)		Cable size copper only	Strip length (Inches)	Tool setting	Number of compression*** BTRF-37C16A	Number of compressions**			
							Hex die	Hydraulic tool	
One hole lug	Two hole lug		, u ,		Smart® Tool +	code	code	6 ton	12, 14, 15 ton
54111RF 54165RF 54965BERF	54265RF 54864BERF	3/0 AWG Code, 131 kcmil DLO (325/24) Flex	1	Smart® Lug 3/0 AWG Cu	1	Orange	50	2*	1
54112RF 54170RF 54970BERF	54270RF 54866BERF	4/0 AWG Code, 182 kcmil DLO (450/24) Flex	1	Smart® Lug 4∕0 AWG Cu	1	Purple	54	2*	1
58163RF 58165R	58265RF	222 kcmil DLO (550/24) Flex	11/8	Smart® Lug 250 KCMIL Cu	1	Yellow	62	2*	1
54113RF 54913BERF	54275RF 54868BERF	250 kcmil Code							
-	-	262 kcmil DLO (650/24) Flex	11/8	Smart® Lug 300 KCMIL Cu	1	White	66	2*	1
54114RF 54914BERF	54280RF 54870BERF	300 kcmil Code							
-	-	313 kcmil DLO (775/24) Flex	11/8	Smart® Lug 350 KCMIL Cu	1	Red	71	2*	1
54115RF 54915BERF	54282RF 54872BERF	350 kcmil Code							
58174RF	-	350 Weld	15/16	Smart® Lug 400 KCMIL Cu	1	Blue	76	2*	1
54116RF 54916BERF	54283RF 54874BERF	400 kcmil Code							
58177RF	58277RF	373 kcmil DLO (925/24) Flex	13/8	Smart® Lug 925/24 Cu	1	-	80	2*	2*
54118RF 54918BERF	54286RF 54876BERF	500 kcmil Code, 444 kcmil DLO (1100/24) Flex	15/16	Smart® Lug 500 KCMIL Cu	1	Brown	87	2*	2*
54120RF 54289RF	54921BERF 54878BERF	600 kcmil Code, 444 kcmil DLO (1100/24) Flex, 535 kcmil DLO (1325/24) Flex	15/16	Smart® Lug 600 KCMIL Cu	1	Green	94	2*	2*
	-	535 kcmil DLO (1325/24 Flex	11/2	Smart® Lug 700 KCMIL Cu	1	Pink	99	-	2*
54122RF	54291RF	700 kcmil Code							
54123RF 54922BERF	54223RF 54880BERF	750 kcmil Code, 646 kcmil DLO (1600/24) Flex	15/8	Smart® Lug 750 KCMIL Cu	1	Black	106	-	2*

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Note: Product must be installed in accordance with applicable national and local electrical codes.

* Indicates number of compressions for standard barrel lugs using half width dies.

** Double number of compressions for long barrel style lugs.

*** One compression required for standard and long barrel. Additional compressions acceptable for long barrel.

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