
 TECHNICAL DATA SHEET

Compression connectors, two-hole, long barrel lugs

Flex wire applications for copper conductor classifications G, H, I, K & M

Color-Keyed®



Features:

- Color coded barrel
- Long barrel allows for additional crimps
- Peep holes available (add suffix PH)
- Blank tongue available (add suffix BT)
- Round Tongue (add suffix R)

Applications:

- Copper cable conductor
 - see table for types of conductors

Made from high conductivity copper - for terminating copper conductor with low resistance crimped connections.

Certifications / Standards:


Conforms to:

- UL listed for terminating copper conductor

Materials / Finishes:

- High conductivity copper
- Electro-tin plate unless otherwise specified, other finishes available upon request:
 - plain (add suffix PF)
 - nickel (add suffix NP)
 - lead (add suffix LP)
 - silver (add suffix SP)
 - gold (add suffix GP)

Conductor types

- Die halves are sold separately.
 - All 6TON-series die halves referenced in the table below require the indenter: 6TONXSS.
 - All 155-series die halves referenced in the table below require the indenter: 15500XSS.
 - All 156-series die halves referenced in the table below require indenter: 15600X.
- TBM15-series tools require adapter: 15500-TB to crimp with the 155-series dies.

Product selection																			
Part no:	Die color	Die code	Conductor size							Crimp tool			Strip length						
			Navy	Flex (24 AWG)	Class G	Class H	Class I (24 AWG)	Class K (30 AWG)	Class M (34 AWG)	TBM6H TBM6PCR-LI TBM62CR-LI TBM62UNICR-LI	TBM12PCR-LI 13100A TBM14M TBM14CR-LI TBM15I TBM15CR-LI	TBM15I TBM15CR-LI							
Die half																			
54850BE	Red	21X	23	8 (37/24)	8 (49 STR)	8 (133 STR)	—	8 (168 STR)	—	6TON21X	15520XSS	15520XSS	¾"						
54851BE			256-30695-1157	256-30695-1158	54852BE	Blue	24X	30	6 (61/24)	5 (49 STR)	5 (133 STR)	5 (84 STR)		5 (336 STR)	—	6TON24X	15522XSS	15522XSS	
256-30695-1225			54854BE	256-30695-1246	256-30695-1159			256-30695-1300	Grey	29X	40-50	5 (91/24)		4 (49 STR)	4 (133 STR)	4 (105 STR)	4 (420 STR)	—	6TON29X
54855BE	54856BE	256-30695-1160	54811BE	Brown	33X			60			3 (125/24)	3 (49 STR)	3 (133 STR)	3 (133 STR)	3 (532 STR)	3 (1323 STR)	—	6TON33X	15528XSS
54809BE	54812BE	54858BE	54857BE			54859BE	Green	37X			75	2 (150/24)	2 (49 STR)	2 (133 STR)	2 (161 STR)	2 (665 STR)	2 (1666 STR)	—	6TON37X
54813BE	54860BE	256-30695-1162	54814BE			Pink			42X	100	1 (225/24)	1 (133 STR)	1 (133 STR)	1 (210 STR)	1 (836 STR)	2 (2107 STR)	—	6TON42X	15508XSS
54815BE	54816BE	54817BE	256-30695-1299	256-30695-1116	54862BE					Black	125	1/0 (275/24)	1/0 (133 STR)	1/0 (259 STR)	1/0 (266 STR)	1/0 (1064 STR)	1/0 (2646 STR)	—	6TON45X
54818BE	54819BE	54820BE	54822BE	Orange	50X		150	2/0 (325/24)			2/0 (133 STR)	2/0 (259 STR)	2/0 (342 STR)	2/0 (1323 STR)	2/0 (3325 STR)	—	6TON50XSS	15530XSS	15530XSS
54821BE	54824BE	54823BE	256-30695-1117			54818BE	54866BE	Purple	200		3/0 (450/24)	3/0 (133 STR)	3/0 (427 STR)	3/0 (418 STR)	3/0 (1666 STR)	3/0 (4256 STR)	—	6TON54XSS	15511XSS
54822BE	54821BE	54874BE	54823BE			Yellow	62X		—	4/0 (550/24)	4/0 (133 STR)	4/0 (259 STR)	4/0 (532 STR)	4/0 (2107 STR)	4/0 (5320 STR)	—	6TON62XSS	15510XSS	15510XSS
54819BE	54870BE	54822BE	54821BE	White	66X				300	262 MCM (650/24)	250 MCM (259 STR)	250 (427 STR)	250 (637 STR)	250 (2499 STR)	—	6TON66XSS	15534XSS	15534XSS	
54822BE	54821BE	54874BE	54823BE					Blue	76X	400	313 MCM (775/24)	300 MCM (259 STR)	300 (427 STR)	300 (735 STR)	300 (2989 STR)	—	—	15512XSS	15512XSS
54824BE	54878BE	54879BE	256-30695-1119			54876BE	Brown			87X	373 MCM (925/24)	400 MCM (259 STR)	400 (427 STR)	400 (980 STR)	350 (3458 STR)	—	—	15506XSS	15506XSS
54824BE	54878BE	54879BE	54824BE	54878BE	Green	94X				444 MCM (1100/24)	—	—	450 (1127 STR)	450 (4522 STR)	—	—	15536XSS	15536XSS	
54879BE	54880BE	58884BE	54879BE	Pink		99X		—	535 MCM (1325/24)	—	—	—	—	—	—	—	15605X	2¼"	
54880BE	58884BE	58826BE	54880BE				Black	106X	—	—	500 MCM (259 STR)	500 (427 STR)	500 (1125 STR)	600 (1480 STR)	500 (5054 STR)	—	—	15615X	2¾"
58884BE	58826BE	58826BE	58884BE		Yellow				115X	—	646 MCM (1600/24)	—	—	—	—	—	—	—	—
58826BE	58826BE	58826BE	58826BE	—		646 MCM (1600/24)				—	—	—	750 (1850 STR)	—	—	—	15604X	—	

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

- Suffix "SS" for 6TON AND 15500 type dies denotes stainless steel.
- Suffix part number with "PH" denotes part with inspection hole (peep hole), example: 54814BEPH.
- Suffix part number with "BT" denotes blank tongue, example: 54814BEBT. See chart (Bolt hole) for recommended maximum diameter hole.
- Suffix part number with "R" denotes round tongue, example: 54814BER.

Connector dimensions

Product selection - inches

Drawing	Part no:	Die color	Die code	Bolt size	A	B	C	D	E	F	G	
	54850BE	Red	21X	1/4	2.19	1.19	0.42	0.07	0.26	0.25	0.63	
	54851BE			1/4	2.31	2.31	0.47	0.06	0.26	0.25	0.75	
	256-30695-1157			3/8	3.00	2.10	0.56	0.06	0.26	0.38	1.00	
		256-30695-1158	Blue	24X	3/8	2.93	1.93	0.59	0.06	0.30	0.38	—
		54852BE			1/4	2.28	1.28	0.44	0.08	0.30	0.25	0.63
		256-30695-1225			1/4	2.43	1.43	0.43	0.07	0.30	0.25	0.75
		54854BE			—	2.31	1.19	0.52	0.10	0.37	0.25	0.63
		256-30695-1246	Grey	29X	1/4	—	1.31	0.56	0.09	0.37	0.25	0.75
		256-30695-1159			3/8	3.13	1.98	0.59	0.09	0.37	0.38	1.00
		256-30695-1300			1/4	2.63	1.35	0.68	0.11	0.41	0.25	0.75
		54855BE	Brown	33X	1/4	2.43	1.28	0.59	0.11	0.41	—	0.63
		54856BE			5/16	2.78	1.63	0.59	0.11	0.41	0.38	0.75
		256-30695-1160			3/8	3.08	1.94	0.59	0.11	0.41	—	1.00
		54811BE			1/2	4.28	3.00	0.88	0.11	0.41	0.50	1.75
		54809BE	Green	37X	1/4	2.88	1.19	0.67	0.11	0.47	0.25	0.63
		54812BE			1/4	2.75	1.40	0.67	0.11	0.47	—	0.75
		54858BE			5/16	2.97	1.63	0.67	0.11	0.47	0.38	0.88
		54857BE	Pink	42X	1/2	4.43	3.00	0.88	0.10	0.47	0.50	1.75
		54859BE			1/4	2.63	1.19	0.75	0.13	0.52	0.25	0.63
		54813BE			1/4	2.71	1.38	0.75	0.13	0.52	0.25	0.75
		54860BE			5/16	2.97	1.63	0.75	0.13	0.52	0.38	0.88
		256-30695-1162	Black	45X	3/8	3.23	1.93	0.75	0.13	0.52	0.38	1.00
		54814BE			1/4	2.62	1.25	0.83	0.13	0.57	0.25	0.63
		256-30695-1299			1/4	2.69	1.31	0.81	0.13	0.57	0.25	0.75
		256-30695-1116	Orange	50X	3/8	3.19	1.81	0.83	0.13	0.57	0.38	1.00
		54862BE			1/2	4.20	2.81	0.83	0.13	0.57	0.50	1.75
		54815BE			1/4	2.89	1.45	0.92	0.13	0.63	0.25	0.75
		54816BE			3/8	3.25	1.63	0.92	0.13	0.63	0.38	1.00
		54864BE	Purple	54X	1/2	4.48	3.00	0.92	0.13	0.63	0.50	1.75
		54817BE			1/4	3.15	1.38	1.03	0.14	0.70	0.25	0.75
		256-30695-1117			3/8	3.35	1.81	1.03	0.14	0.70	0.38	1.00
		54818BE	Yellow	62X	3/8	4.38	2.63	1.03	0.14	0.70	0.38	1.75
		54866BE			1/2	4.70	3.00	1.03	0.14	0.70	0.50	1.75
		256-30695-1245			3/8	3.83	1.93	1.13	0.14	0.77	0.38	1.00
		54868BE			1/2	4.92	3.00	1.13	0.14	0.77	0.50	1.75
		54819BE	White	66X	3/8	5.04	2.80	1.25	0.15	0.85	0.38	1.00
		54870BE			1/2	5.23	3.00	1.25	0.15	0.85	0.50	1.75
		54822BE			1/4	4.38	1.93	1.41	0.17	0.96	0.25	0.75
		54821BE	Blue	76X	3/8	4.43	1.93	1.41	0.17	0.96	0.38	1.00
		54874BE			1/2	5.51	3.00	1.41	0.17	0.96	0.50	1.75
		54823BE			1/4	4.93	1.94	1.61	0.22	1.10	0.25	0.75
		256-30695-1119			3/8	5.00	1.93	1.61	0.22	1.10	0.38	1.00
		54876BE	Brown	87X	1/2	6.00	3.00	1.61	0.22	1.10	0.50	1.75
		54824BE			3/8	5.70	2.80	1.75	0.24	1.20	0.38	1.00
		54878BE			1/2	5.83	3.00	1.75	0.24	1.20	0.50	1.75
		54879BE	Green	94X	1/2	6.00	3.00	2.81	0.28	1.25	0.50	1.75
		54880BE			1/2	6.20	3.00	1.94	0.27	1.33	0.50	1.75
		58884BE			1/2	6.16	3.00	1.94	0.27	1.33	0.50	1.75
		58826BE			1/2	6.74	3.00	2.18	0.31	1.50	0.50	1.75

Optional rounded tongue

- Note: Product must be installed in accordance with applicable national and local electrical codes.
- Suffix part number with "PH" denotes part with inspection hole (peep hole), example: 54814BE**PH**.
 - Suffix part number with "BT" denotes blank tongue, example: 54814BE**BT**. See chart (Bolt size) for recommended maximum diameter hole.
 - Suffix part number with "R" denotes round tongue, example: 54814BE**R**.

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