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TERMINALS AND CONNECTORS

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TERMINAL OVERVIEW

Look to **ETLIN DANIELS** Solderless Crimp terminals for Quality Terminal Construction.

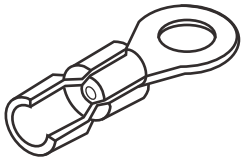
We have been supplying the Canadian OEM, Distributor, and repair markets with our solderless crimp terminals since 1964.

The following are quality features of our terminals and connectors:

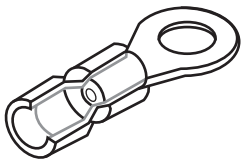
- CSA Certified and UL Listed
- Terminals are made from pure 99.9% electrolytic tough pitch copper with extremely high conductivity
- Wire size is stamped on tongue
- Uniform lustre tin plating on all terminals for maximum corrosion protection
- We carry high inventory levels and can generally ship your requirements immediately
- We offer a very broad and complete product line and can meet most every need
- We carry a full line of crimping tools from the hand-held pliers, to ratchet, to pneumatic
- We also have available Mylar Tape Mounted terminals for high volume usage
- We carry a full line of twist-on wire nuts, push-in connectors, high temperature porcelain wire nuts and T-Tap connectors
- We have a full line of Nylon Close End connectors from #22 AWG to #8 AWG
- We carry a full line of insulated and non-insulated male and female disconnects, piggybacks,flags and tab connectors

Basic Barrel Construction

Brazed Seam: Non-insulated terminals that will not open during or after crimping. The brazed seam can be crimped anywhere, even on the seam itself, without splitting. It has a chamfered barrel for fast, easy wire insertion.



FVL Insulated: High quality vinyl insulation with funnel entry type which allows easy wire insertion. Industry standard colour coding for ease of identification.



FVD (Vinyl) and **FND** (Nylon) Insulated terminals and connectors with tin-plated copper sleeve.
High quality Nylon and Vinyl insulation — FVD type is a flared Vinyl insulation with a tin-plated copper sleeve feature which acts as an insulation grip — FND type is a flared Nylon insulation with a tin-plated copper sleeve feature which acts as an insulation grip.

Industry standard colour coding for ease of identification.

TERMINAL OVERVIEW

WS Seam: Butted seam, without solder is available for those who want a less expensive alternative terminal. These terminals are available for the non-insulated rings and spades only, from #22 AWG to #12 AWG.

Wire Ranges

WIRE RANGE	AWG	mm^2
0.5	26-22	0.5
1	22-16	1.25
2	16-14	2
3	14-12	3.5
5	12-10	5.5
8	8	8
14	6	14
22	4	22
38	2	38
60	1/0	60
70	2/0	70
80	3/0	80
100	4/0	100
150	250/300 MCM	150
180	300/350 MCM	180
200	400/500 MCM	200
325	500/600 MCM	325
400	600/750 MCM	400
500	800/1000 MCM	500
630	1000/1250 MCM	630
800	1500/1750 MCM	800
1000	2000 MCM	1000

TERMINAL STUD SIZE

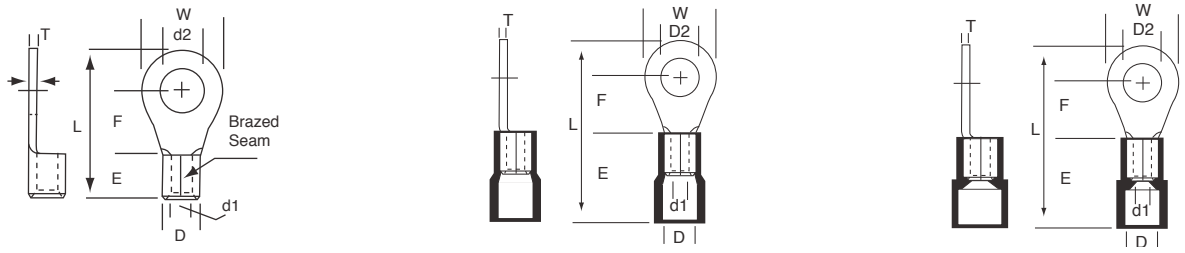
Stud Sizes

STUD SIZE	mm	inch
#2	2.2	.087
#3	2.7	.106
#4	3.2	.126
#6	3.7	.146
#8	4.3	.169
#10	5.3	.209
1/4	6.4	.252
5/16	8.4	.331
3/8	10.5	.413
7/16	11.5	.453

STUD SIZE	mm	inch
1/2	13.0	.512
9/16	15.0	.591
5/8	17.0	.669
11/16	19.0	.748
3/4	21.0	.827
7/8	23.0	.906
15/16	25.0	.984
1	28.0	1.102

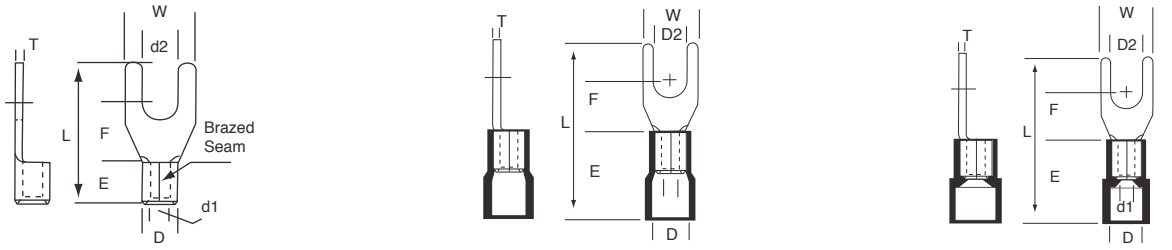
22-16 AWG SOLDERLESS TERMINALS

22-16 AWG RING TERMINALS (1.25 mm²)



DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.26	6.6	0.248	6.3	**2216-M3**	0.567	14.4	**FVL2216-M3**	0.764	19.4	**FND2216-M3**	0.756	19.2
#8	0.26	6.6	0.248	6.3	**2216-M4**	0.567	14.4	**FVL2216-M4**	0.764	19.4	**FND2216-M4**	0.756	19.2
#8	0.315	8	0.276	7	**2216-4**	0.622	15.8	**FVL2216-4**	0.819	20.8	**FND2216-4**	0.811	20.6
#10	0.315	8	0.276	7	**2216-5**	0.622	15.8	**FVL2216-5**	0.819	20.8	**FND2216-5**	0.811	20.6
1/4”	0.457	11.6	0.433	11	**2216-6**	0.858	21.8	**FVL2216-6**	1.083	27.5	**FND2216-6**	1.04	26.4
5/16”	0.457	11.6	0.433	11	**2216-8**	0.858	21.8	**FVL2216-8**	1.083	27.5	**FND2216-8**	1.04	26.4
3/8”	0.535	13.6	0.547	13.9	**2216-9**	1.004	25.5	**FVL2216-9**	1.244	31.6	**FND2216-9**	1.19	30.2

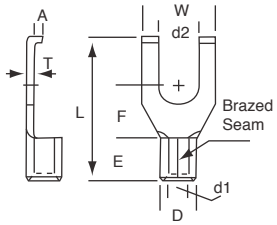
22-16 AWG SPADE TERMINALS (1.25 mm²)

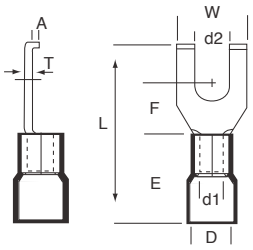


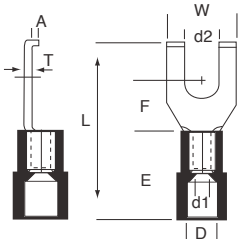
DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.252	6.4	0.255	6.5	**2216-YS3A**	0.63	16	**FVL2216-YS3A**	0.835	21.2	**FND2216-YS3A**	0.795	20.2
#8	0.252	6.4	0.255	6.5	**2216-YS4A**	0.63	16	**FVL2216-YS4A**	0.835	21.2	**FND2216-YS4A**	0.795	20.2
#8	0.285	7.2	0.255	6.5	**2216-S4A**	0.63	16	**FVL2216-S4A**	0.835	21.2	**FND2216-S4A**	0.811	20.6
#10	0.335	8.5	0.255	6.5	**2216-5A**	0.63	16	**FVL2216-5A**	0.835	21.2	**FND2216-5A**	0.811	20.6
1/4”	0.472	12	0.433	11	**2216-6A**	0.866	22	**FVL2216-6A**	1.071	27.2	**FND2216-6A**	1.06	27

22-16 AWG SOLDERLESS TERMINALS

22-16 AWG FLANGED SPADE TERMINALS (1.25 mm²)

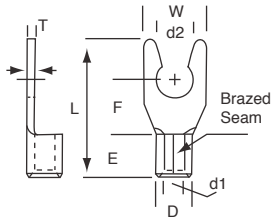


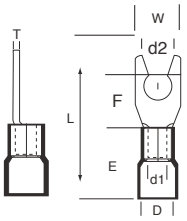


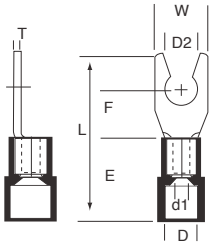


DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.295	7.5	0.201	5.1	**2216-S3B**	0.551	14	**FVL2216-S3B**	0.748	19	**FND2216-S3B**	0.705	17.9
#8	0.295	7.5	0.201	5.1	**2216-S4B**	0.551	14	**FVL2216-S4B**	0.748	19	**FND2216-S4B**	0.705	17.9
#10	0.295	7.5	0.201	5.1	**2216-S5B**	0.551	14	**FVL2216-S5B**	0.748	19	**FND2216-S5B**	0.705	17.9

22-16 AWG LOCKING SPADE TERMINALS (1.25 mm²)



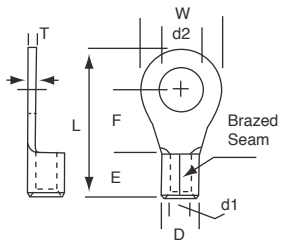


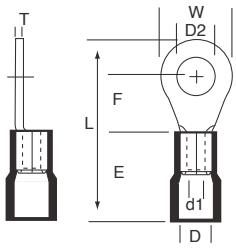


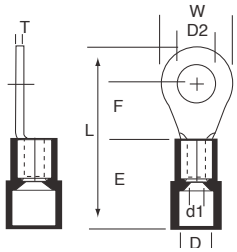
DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.252	6.4	0.256	6.5	**2216-3LS**	0.63	16	**FVL2216-3LS**	0.72	18.3	**FND2216-3LS**	0.705	17.9
#8	0.319	8.1	0.256	6.5	**2216-4LS**	0.63	16	**FVL2216-4LS**	0.72	18.3	**FND2216-4LS**	0.705	17.9
#10	0.319	8.1	0.256	6.5	**2216-5LS**	0.63	16	**FVL2216-5LS**	0.72	18.3	**FND2216-5LS**	0.705	17.9

16-14 AWG SOLDERLESS TERMINALS

16-14 AWG RING TERMINALS (2 mm²)

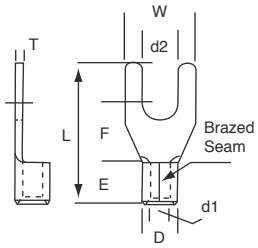


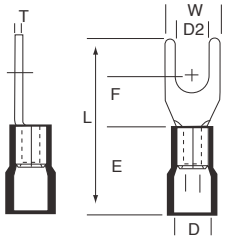


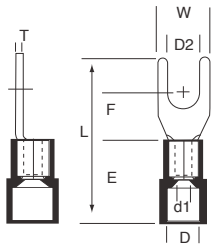


DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.26	6.6	0.248	6.3	**1614-M3**	0.567	14.4	**FVL1614-M3**	0.764	19.4	**FND1614-M3**	0.803	20.4
#8	0.26	6.6	0.248	6.3	**1614-M4**	0.567	14.4	**FVL1614-M4**	0.764	19.4	**FND1614-M4**	0.803	20.4
#8	0.335	8.5	0.307	7.8	**1614-4**	0.661	16.8	**FVL1614-4**	0.858	21.8	**FND1614-4**	0.898	22.8
#10	0.335	8.5	0.307	7.8	**1614-M5**	0.661	16.8	**FVL1614-M5**	0.858	21.8	**FND1614-M5**	0.898	22.8
#10	0.374	9.5	0.287	7.3	**1614-5**	0.661	16.8	**FVL1614-5**	0.858	21.8	**FND1614-5**	0.898	22.8
1/4”	0.472	12	0.433	11	**1614-6**	0.858	21.8	**FVL1614-6**	1.055	26.8	**FND1614-6**	1.094	27.8
5/16”	0.472	12	0.433	11	**1614-8**	0.858	21.8	**FVL1614-8**	1.055	26.8	**FND1614-8**	1.094	27.8
3/8”	0.535	13.6	0.547	13.9	**1614-9**	1.004	25.5	**FVL1614-9**	1.201	30.5	**FND1614-9**	1.24	31.5
1/2”	0.756	19.2	0.63	16	**1614-13**	1.197	30.4	**FVL1614-13**	1.394	35.4	**FND1614-13**	1.433	36.4

16-14 AWG SPADE TERMINALS (2 mm²)



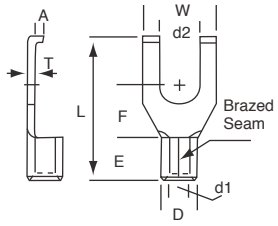


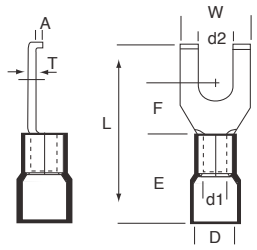


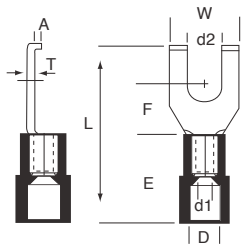
DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.236	6	0.256	6.5	**1614-YS3A**	0.63	16	**FVL1614-YS3A**	0.827	21	**FND1614-YS3A**	0.866	22
#6	0.283	7.2	0.256	6.5	**1614-S3A**	0.63	16	**FVL1614-S3A**	0.827	21	**FND1614-S3A**	0.866	22
#8	0.252	6.4	0.256	6.5	**1614-YS4A**	0.63	16	**FVL1614-YS4A**	0.827	21	**FND1614-YS4A**	0.866	22
#8	0.283	7.2	0.256	6.5	**1614-S4A**	0.63	16	**FVL1614-S4A**	0.827	21	**FND1614-S4A**	0.866	22
#10	0.319	8.1	0.256	6.5	**1614-5A**	0.63	16	**FVL1614-5A**	0.827	21	**FND1614-5A**	0.866	22
1/4”	0.472	12	0.433	11	**1614-6A**	0.866	22	**FVL1614-6A**	**1.063**	27	**FND1614-6A**	1.102	28

16-14 AWG SOLDERLESS TERMINALS

16-14 AWG FLANGED SPADE TERMINALS (2 mm²)

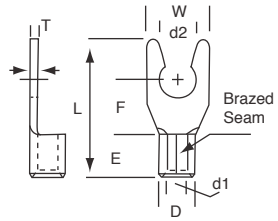


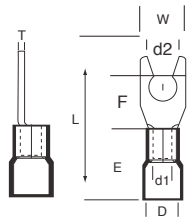


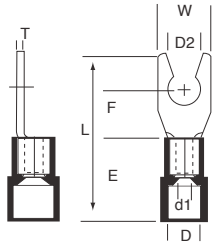


DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.295	7.50	0.283	7.2	**1614-S3B**	0.709	18	**FVL1614-S3B**	0.768	19.5	**FND1614-S3B**	0.945	24
#8	0.295	7.50	0.283	7.2	**1614-S4B**	0.709	18	**FVL1614-S4B**	0.768	19.5	**FND1614-S4B**	0.851	24
#10	0.295	7.50	0.283	7.2	**1614-S5B**	0.571	14.5	**FVL1614-S5B**	0.768	19.5	**FND1614-S5B**	0.807	20.5

16-14 AWG LOCKING SPADE TERMINALS (2 mm²)





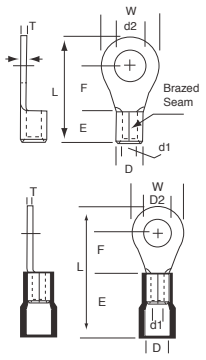


DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.252	6.4	0.256	6.5	**1614-3LS**	0.63	16	**FVL1614-3LS**	0.827	21	**FND1614-3LS**	0.866	22
#8	0.283	7.2	0.256	6.5	**1614-4LS**	0.63	16	**FVL1614-4LS**	0.827	21	**FND1614-4LS**	0.866	22
#10	0.319	8.1	0.256	6.5	**1614-5LS**	0.63	16	**FVL1614-5LS**	0.827	21	**FND1614-5LS**	0.866	22

14-12, 12-10 AWG SOLDERLESS TERMINALS

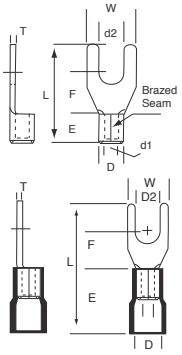
14-12 AWG RING TERMINALS (3.5 mm²)

DIMENSIONS					NON-INSULATED			VINYL INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#8	0.315	8	0.303	7.7	**1412-4**	0.709	18	**FVL1412-4**	0.984	25.2
#10	0.315	8	0.303	7.7	**1412-M5**	0.709	18	**FVL1412-M5**	0.984	25.2
#10	0.472	12	0.37	9.4	**1412-5**	0.843	21.4	**FVL1412-5**	1.181	28.4
1/4”	0.472	12	0.37	9.4	**1412-6**	0.843	21.4	**FVL1412-6**	1.181	28.4

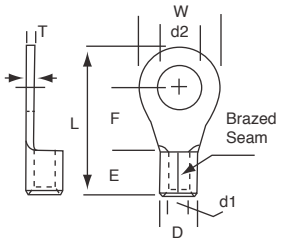


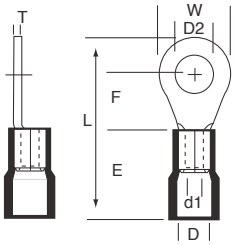
14-12 AWG SPADE TERMINALS (3.5 mm²)

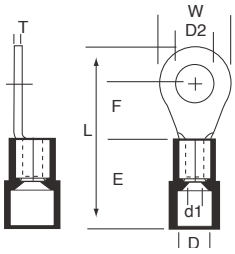
DIMENSIONS					NON-INSULATED			VINYL INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.315	8	0.276	7	**1412-S3A**	0.72	18.3	**FVL1412-S3A**	0.996	25.3
#8	0.315	8	0.276	7	**1412-S4A**	0.72	18.3	**FVL1412-S4A**	0.996	25.3
#10	0.315	8	0.276	7	**1412-5A**	0.72	18.3	**FVL1412-5A**	0.996	25.3
1/4”	0.473	12	0.358	9.1	**1412-6A**	0.846	21.5	**FVL1412-6A**	1.122	28.5



12-10 AWG RING TERMINALS (5.5 mm²)



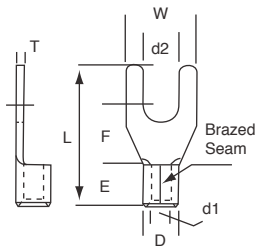


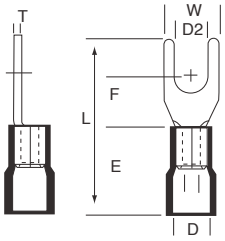


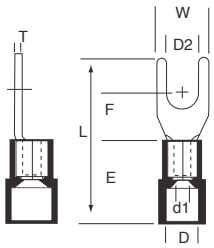
DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.283	7.2	0.24	6.1	**1210-S3**	0.618	15.7	**FVL1210-S3**	0.894	22.7	**FND1210-S3**	0.894	22.7
#8	0.283	7.2	0.24	6.1	**1210-S4**	0.618	15.7	**FVL1210-S4**	0.894	22.7	**FND1210-S4**	0.894	22.7
#8	0.374	9.5	0.358	9.1	**1210-4**	0.772	19.6	**FVL1210-4**	1.047	26.6	**FND1210-4**	1.047	26.6
#10	0.374	9.5	0.358	9.1	**1210-5**	0.772	19.6	**FVL1210-5**	1.047	26.6	**FND1210-5**	1.047	26.6
1/4”	0.472	12	0.413	10.5	**1210-6**	0.886	22.5	**FVL1210-6**	1.167	29.5	**FND1210-6**	1.616	29.5
5/16”	0.591	15	0.531	13.5	**1210-8**	1.063	27	**FVL1210-8**	1.339	34	**FND1210-8**	1.339	34
3/8”	0.591	15	0.531	13.5	**1210-9**	1.063	27	**FVL1210-9**	1.339	34	**FND1210-9**	1.339	34
1/2”	0.756	19.2	0.63	16	**1210-13**	1.244	31.6	**FVL1210-13**	1.52	38.6	**FND1210-13**	1.52	38.6
5/8”	1.26	32	1.26	32	**1210-16**	1.858	47.2	**FVL1210-16**	2.134	54.2	**FND1210-16**	2.134	54.2

12-10 AWG SOLDERLESS TERMINALS

12-10 AWG SPADE TERMINALS (5.5 mm²)

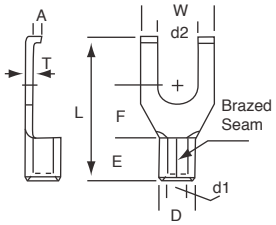


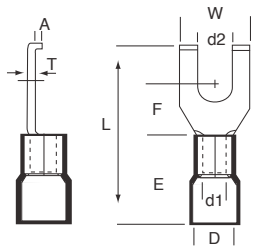


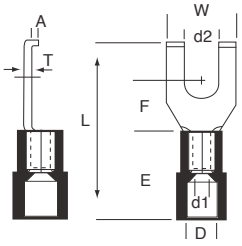


DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.283	7.2	0.295	7.5	**1210-S3A**	0.685	17.4	**FVL1210-S3A**	0.961	24.4	**FND1210-S3A**	0.961	24.4
#8	0.327	8.3	0.276	7	**1210-S4A**	0.728	18.5	**FVL1210-S4A**	1.004	25.5	**FND1210-S4A**	1.004	25.5
#10	0.354	9	0.276	7	**1210-5A**	0.728	18.5	**FVL1210-5A**	1.004	25.5	**FND1210-5A**	1.004	25.5
1/4”	0.472	12	0.472	12	**1210-6A**	0.965	24.5	**FVL1210-6A**	1.004	25.5	**FND1210-6A**	1.004	25.5

12-10 AWG FLANGED SPADE TERMINALS (5.5 mm²)



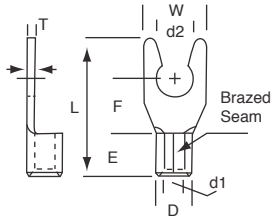


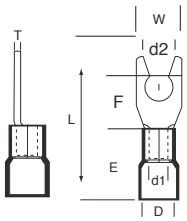


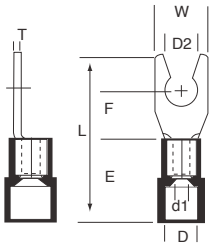
DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.299	7.6	0.244	6.2	**1210-S3B**	0.728	18.5	**FVL1210-S3B**	1.004	25.5	**FND1210-S3B**	1.004	25.5
#8	0.299	7.6	0.244	6.2	**1210-S4B**	0.728	18.5	**FVL1210-S4B**	1.004	25.5	**FND1210-S4B**	1.004	25.5
#10	0.299	7.6	0.244	6.2	**1210-S5B**	0.728	18.5	**FVL1210-S5B**	1.004	25.5	**FND1210-S5B**	1.004	25.5

12-10, 8, 6 AWG SOLDERLESS TERMINALS

12-10 AWG LOCKING SPADE TERMINALS (5.5 mm²)



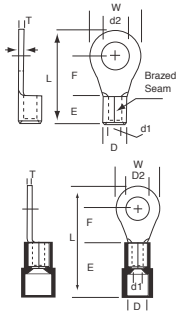




DIMENSIONS					NON-INSULATED			VINYL INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		FUNNEL ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#6	0.327	8.3	0.276	7	**1210-3LS**	0.717	18.2	**FVL1210-3LS**	0.992	25.2	**FND1210-3LS**	0.992	25.2
#8	0.327	8.3	0.276	7	**1210-4LS**	0.717	18.2	**FVL1210-4LS**	0.992	25.2	**FND1210-4LS**	0.992	25.2
#10	0.354	9	0.276	7	**1210-5LS**	0.717	18.2	**FVL1210-5LS**	0.992	25.2	**FND1210-5LS**	0.992	25.2
1/4”	0.472	12	0.472	12	**1210-6LS**	0.965	24.5	**FVL1210-6LS**	1.24	31.5	**FND1210-6LS**	1.24	31.5

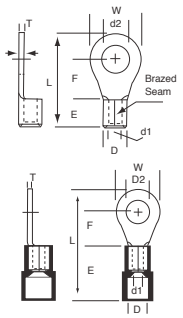
8 AWG RING TERMINALS (8 mm²)

DIMENSIONS					NON-INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#8	0.35	8.6	0.22	5.4	**8-NK4**	0.65	15.9	**FN8-NK4**	1.15	28.2
#8	0.47	11.5	0.36	8.8	**8-S4**	0.93	22.8	**FN8-S4**	1.35	33.1
#10	0.35	8.6	0.22	5.4	**8-NK5**	0.65	15.9	**FN8-NK5**	1.15	28.2
#10	0.47	11.5	0.36	8.8	**8-S5**	0.93	22.8	**FN8-S5**	1.35	33.1
1/4”	0.47	11.5	0.36	8.8	**8-S6**	0.93	22.8	**FN8-S6**	1.58	38.7
5/16”	0.59	14.5	0.54	13.2	**8-8**	1.17	28.7	**FN8-8**	1.58	38.7
3/8”	0.59	14.5	0.54	13.2	**8-9**	1.17	28.7	**FN8-9**	1.58	38.7
1/2”	0.78	19.1	0.59	14.5	**8-13**	1.32	38.5	**FN8-13**	1.73	42.4



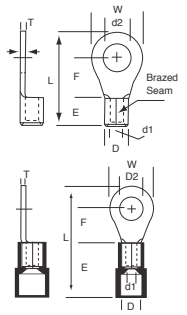
6 AWG RING TERMINALS (14 mm²)

DIMENSIONS					NON-INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#10	0.48	12.2	0.3	7.6	**6-NK5**	0.9	22.8	**FN6-NK5**	1.33	40.8
#10	0.472	12	0.524	13.3	**6-5**	1.17	29.7	**FN6-5**	1.54	39.1
1/4”	0.472	12	0.524	13.3	**6-6**	1.17	29.7	**FN6-6**	1.54	39.1
5/16”	0.63	16	0.559	14.2	**6-8**	1.29	32.8	**FN6-8**	1.66	42.2
3/8”	0.63	16	0.559	14.2	**6-9**	1.29	32.8	**FN6-9**	1.66	42.2
1/2”	0.866	22	0.78	19.8	**6-13**	1.61	41.9	**FN6-13**	1.98	50.3



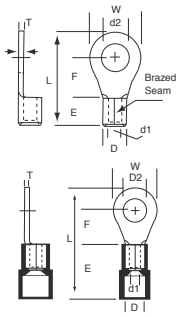
4, 2, 1/0 AWG SOLDERLESS TERMINALS

4 AWG RING TERMINALS (22 mm²)



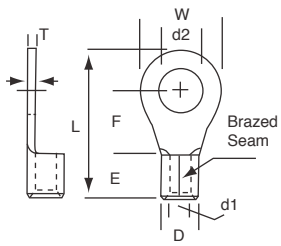
DIMENSIONS					NON-INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#10	0.47	11.9	0.47	11.9	**4-S5**	1.26	32	**FN4-S5**	1.69	42.9
1/4”	0.47	11.9	0.47	11.9	**4-S6**	1.26	32	**FN4-S6**	1.69	42.9
1/4”	0.65	16.5	0.53	13.5	**4-6**	1.32	33.5	**FN4-6**	1.76	44.7
5/16”	0.65	16.5	0.53	13.5	**4-S8**	1.32	33.5	**FN4-S8**	1.76	44.7
3/8”	0.65	16.5	0.53	13.5	**4-S9**	1.32	33.5	**FN4-S9**	1.76	44.7
3/8”	0.69	17.5	0.62	15.7	**4-9**	1.44	36.6	**FN4-9**	1.87	47.5
1/2”	0.86	21.8	0.76	19.3	**4-13**	1.67	42.4	**FN4-13**	1.90	53.1

2 AWG RING TERMINALS (38 mm²)



DIMENSIONS					NON-INSULATED			NYLON INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
#10	0.61	15.5	0.63	16	**2-S5**	1.5	38.1	**FN2-S5**	1.92	48.8
1/4”	0.61	15.5	0.63	16	**2-S6**	1.48	37.6	**FN2-S6**	1.91	48.5
1/4”	0.86	21.8	0.69	17.5	**2-6**	1.68	42.7	**FN2-6**	2.11	53.6
5/16”	0.61	15.5	0.63	16	**2-S8**	1.48	37.6	**FN2-S8**	1.91	48.5
5/16”	0.86	21.8	0.69	17.5	**2-8**	1.68	42.7	**FN2-8**	1.91	48.5
3/8”	0.61	15.5	0.63	16	**2-S9**	1.48	37.6	**FN2-S9**	1.91	48.5
3/8”	0.86	21.8	0.69	17.5	**2-9**	1.68	42.7	**FN2-9**	2.11	53.6
7/16”	0.86	21.8	0.69	17.5	**2-11**	1.68	42.7	**FN2-11**	2.11	53.6
1/2”	0.86	21.8	0.69	17.5	**2-13**	1.68	42.7	**FN2-13**	2.11	53.6

1/0 AWG RING TERMINALS (60 mm²)

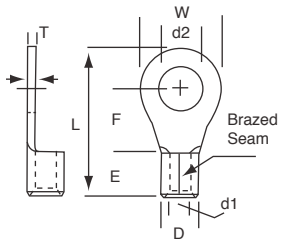


DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
1/4”	0.86	21.8	0.81	20.6	**1/0-6**	1.95	49.5
5/16”	0.86	21.8	0.81	20.6	**1/0-8**	1.95	49.5
3/8”	0.86	21.8	0.81	20.6	**1/0-9**	1.95	49.5
7/16”	0.86	21.8	0.81	20.6	**1/0-11**	1.95	49.5
1/2”	0.86	21.8	0.81	20.6	**1/0-13**	1.95	49.5
5/8”	1.26	32	0.92	23.4	**1/0-16**	2.26	57.4

2/0, 3/0, 4/0 AWG SOLDERLESS TERMINALS

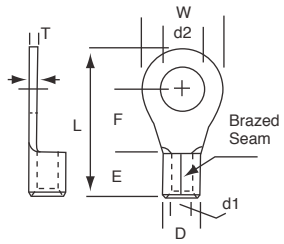
2/0 AWG RING TERMINALS (70 mm²)

DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
1/4”	0.94	23.9	0.78	19.8	**2/0-6**	2	50.8
5/16”	0.94	23.9	0.78	19.8	**2/0-8**	2	50.8
3/8”	0.94	23.9	0.78	19.8	**2/0-9**	2	50.8
7/16”	0.94	23.9	0.78	19.8	**2/0-11**	2	50.8
1/2”	0.94	23.9	0.78	19.8	**2/0-13**	2	50.8
5/8”	1.26	32	1.02	25.9	**2/0-16**	2.4	60.9



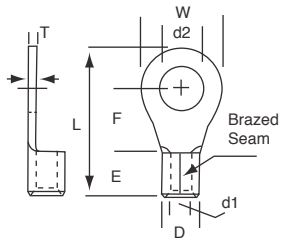
3/0 AWG RING TERMINALS (80 mm²)

DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
1/4”	1.06	26.9	0.81	20.6	**3/0-6**	2.13	54.1
5/16”	1.06	26.9	0.81	20.6	**3/0-8**	2.13	54.1
3/8”	1.06	26.9	0.81	20.6	**3/0-9**	2.13	54.1
7/16”	1.06	26.9	0.81	20.6	**3/0-11**	2.13	54.1
1/2”	1.06	26.9	0.81	20.6	**3/0-13**	2.13	54.1
5/8”	1.26	32	1.28	32.5	**3/0-16**	2.67	67.8



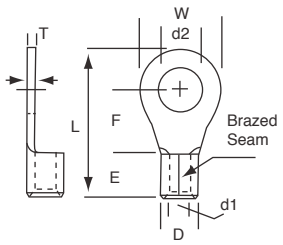
4/0 AWG RING TERMINALS (100 mm²)

DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
1/4”	1.12	28.4	0.8	20.3	**4/0-6**	2.18	55.4
5/16”	1.12	28.4	0.8	20.3	**4/0-8**	2.18	55.4
3/8”	1.12	28.4	0.8	20.3	**4/0-9**	2.18	55.4
1/2”	1.12	28.4	0.8	20.3	**4/0-13**	2.18	55.4
3/4”	1.26	32	1.26	32	**4/0-19**	2.71	68.8



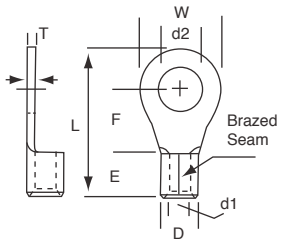
250 - 600 MCM AWG SOLDERLESS TERMINALS

250-300 MCM AWG RING TERMINALS (150 mm²)



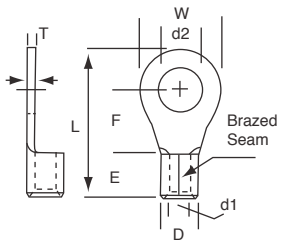
DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
5/16”	1.42	36.1	0.9	22.9	**150-8**	2.6	66
3/8”	1.42	36.1	0.9	22.9	**150-9**	2.6	66
7/16”	1.42	36.1	0.9	22.9	**150-11**	2.6	66
1/2”	1.42	36.1	0.9	22.9	**150-13**	2.6	66

300-350 MCM AWG RING TERMINALS (180 mm²)



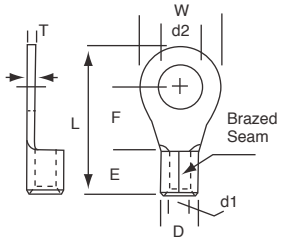
DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
3/8”	1.52	38.6	0.96	24.4	**200-9**	2.71	68.8
7/16”	1.52	38.6	0.96	24.4	**200-11**	2.71	68.8
1/2”	1.52	38.6	0.96	24.4	**200-13**	2.71	68.8

400-450 MCM AWG RING TERMINALS (200 mm²)



DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
3/8”	1.73	43.9	0.96	24.4	**250-9**	2.83	71.9
1/2”	1.73	43.9	0.96	24.4	**250-13**	2.83	71.9

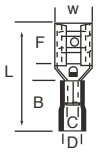
500-600 MCM AWG RING TERMINALS (325 mm²)

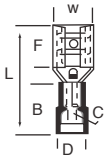


DIMENSIONS					NON-INSULATED		
STUD SIZE	TONGUE WIDTH (W)		STUD CLEAR (F)		BRAZED SEAM	LENGTH (L)	
(d2)	in	mm	in	mm	PART NUMBER	in	mm
3/8”	1.96	49.8	1.32	33.5	**300-9**	3.46	87.9
1/2”	1.96	49.8	1.32	33.5	**300-13**	3.46	87.9

FEMALE / MALE DISCONNECTS

FEMALE DISCONNECTS



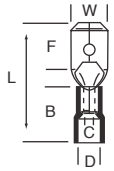


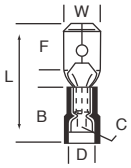
22-16 AWG =	0.5 - 1.5 mm²
16-14 AWG =	1.5 - 2.5 mm²
12-10 AWG =	4.0 - 6.0 mm²

0.020 x 0.110 =	0.5 x 2.8 mm
0.032 x 0.110 =	0.8 x 2.8 mm
0.020 x 0.187 =	0.5 x 4.75 mm
0.032 x 0.187 =	0.8 x 4.75 mm
0.020 x 0.205 =	0.5 x 5.2 mm
0.032 x 0.250 =	0.8 x 6.35 mm

WIRE RANGE	NEMA TAB (in)	DIMENTIONS						VINYL INSULATED			NYLON INSULATED		
		THICKNESS		TONGUE WIDTH (W)		STUD CLEAR (F)		FLARED ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
		in	mm	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
22-16 AWG	.020 X .110	0.012	0.3	0.126	3.2	0.256	6.5	**FVDF2216T110A5**	0.732	18.6	**FNDDF2216T110A5**	0.772	19.6
22-16 AWG	.032 X .110	0.012	0.3	0.126	3.2	0.256	6.5	**FVDF2216T110A8**	0.732	18.6	**FNDDF2216T110A8**	0.772	19.6
22-16 AWG	.020 X .187	0.016	0.4	0.197	5	0.252	6.4	**FVDF2216T187A5**	0.748	19	**FNDDF2216T187A5**	0.787	20
22-16 AWG	.032 X .187	0.016	0.4	0.197	5	0.252	6.4	**FVDF2216T187A8**	0.748	19	**FNDDF2216T187A8**	0.787	20
22-16 AWG	.020 X .205	0.014	0.35	0.224	5.78	0.26	6.6	**FVDF2216T205A5**	0.728	18.5	**FNDDF2216T205A5**	0.768	19.5
22-16 AWG	.032 X .250	0.016	0.4	0.26	6.6	0.287	7.3	**FVDF2216T250**	0.807	20.5	**FNDDF2216T250**	0.846	21.5
16-14 AWG	.020 X .110	0.012	0.3	0.126	3.2	0.256	6.5	**FVDF1614T110A5**	0.732	18.6	**FNDDF1614T110A5**	0.772	19.6
16-14 AWG	.032 X .110	0.012	0.3	0.126	3.2	0.256	6.5	**FVDF1614T110A8**	0.732	18.6	**FNDDF1614T110A5**	0.772	19.6
16-14 AWG	.020 X .187	0.016	0.4	0.194	5	0.252	6.4	**FVDF1614T187A5**	0.748	19	**FNDDF1614T187A5**	0.787	20
16-14 AWG	.032 X .187	0.016	0.4	0.197	5	0.252	6.4	**FVDF1614T187A8**	0.748	19	**FNDDF1614T187A8**	0.787	20
16-14 AWG	.020 X .205	0.014	0.35	0.224	5.7	0.26	6.6	**FVDF1614T205A5**	0.728	18.5	**FNDDF1614T205A5**	0.768	19.5
16-14 AWG	.032 X .250	0.016	0.4	0.26	6.6	0.287	7.3	**FVDF1614T250**	0.807	20.5	**FNDDF1614T250**	0.846	21.5
12-10 AWG	.020 X .110	0.016	0.4	0.126	3.2	0.256	6.5	**FVDF1210T110A5**	0.866	22	**FNDDF1210F110A5**	0.866	22
12-10 AWG	.032 X .110	0.016	0.4	0.126	3.2	0.256	6.5	**FVDF1210T110A8**	0.866	22	**FNDDF1210T110A8**	0.866	22
12-10 AWG	.020 X .187	0.016	0.4	0.197	5	0.256	6.5	**FVDF1210T187A5**	0.866	22	**FNDDF1210T187A5**	0.866	22
12-10 AWG	.032 X .187	0.016	0.4	0.197	5	0.256	6.5	**FVDF1210T187A8**	0.866	22	**FNDDF1210T187A8**	0.866	22
12-10 AWG	.032 X .250	0.016	0.4	0.26	6.6	0.287	7.3	**FVDF1210T250**	0.925	23.5	**FNDDF1210T250**	0.925	23.5

MALE DISCONNECTS





22-16 AWG =	0.5 - 1.5 mm²
16-14 AWG =	1.5 - 2.5 mm²
12-10 AWG =	4.0 - 6.0 mm²

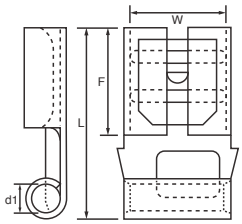
0.020 x 0.110 =	0.5 x 2.8 mm
0.032 x 0.110 =	0.8 x 2.8 mm
0.020 x 0.187 =	0.5 x 4.75 mm
0.032 x 0.187 =	0.8 x 4.75 mm
0.020 x 0.205 =	0.5 x 5.2 mm
0.032 x 0.250 =	0.8 x 6.35 mm

WIRE RANGE	NEMA TAB (in)	DIMENTIONS						VINYL INSULATED			NYLON INSULATED		
		THICKNESS		TONGUE WIDTH (W)		STUD CLEAR (F)		FLARED ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
		in	mm	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
22-16 AWG	.020 X .187	0.02	0.5	0.189	4.8	0.256	6.5	**FVDM2216T187A5**	0.748	19	**FNDDM2216T187A5**	0.787	20
22-16 AWG	.032 X .187	0.016	0.4	0.189	4.8	0.264	6.7	**FVDM2216T187A8**	0.748	19	**FNDDM2216T187A8**	0.787	20
22-16 AWG	.032 X .250	0.016	0.4	0.25	6.35	0.303	7.7	**FVDM2216T250**	0.827	21	**FNDDM2216T250**	0.866	22
16-14 AWG	.020 X .187	0.02	0.5	0.189	4.8	0.256	6.5	**FVDM1614T187A5**	0.748	19	**FNDDM1614T187A5**	0.787	20
16-14 AWG	.032 X .187	0.016	0.4	0.189	4.8	0.264	6.7	**FVDM1614T187A8**	0.748	19	**FNDDM1614T187A8**	0.787	20
16-14 AWG	.032 X .250	0.016	0.4	0.25	6.35	0.303	7.7	**FVDM1614T250**	0.827	21	**FNDDM1614T250**	0.866	22
12-10 AWG	.032 X .250	0.016	0.4	0.25	6.35	0.303	7.7	**FVDM1210T250**	0.945	24	**FNDDM1210T250**	0.945	24

FEMALE / MALE DISCONNECTS

NON-INSULATED FEMALE FLAG DISCONNECTS

FIGURE 1



WIRE RANGE	PART NUMBER	NEMA TAB	DIMENSION (in/mm)					FIG
			W	F	L	d1	T	
22-18 AWG	**DF2218-1ST**	0.020 X 0.187	0.197 (5.0)	0.276 (7.0)	0.591 (15.0)	0.063 (1.6)	0.016 (0.4)	1
	DF2218-1T	0.032 X 0.250	0.260 (6.6)	0.299 (7.6)	0.598 (15.2)	0.063 (1.6)	0.016 (0.4)	1
16-14 AWG	**DF1614-1ST**	0.020 X 0.187	0.197 (5.0)	0.276 (7.0)	0.591 (15.0)	0.063 (1.6)	0.016 (0.4)	1
	DF1614-1T	0.032 X 0.250	0.260 (6.6)	0.299 (7.6)	0.598 (15.2)	0.063 (1.6)	0.016 (0.4)	1

NYLON INSULATED FEMALE FLAG DISCONNECTS

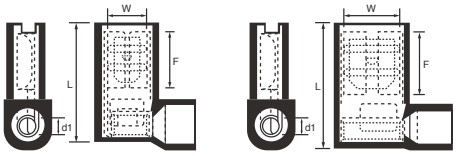


FIGURE 1

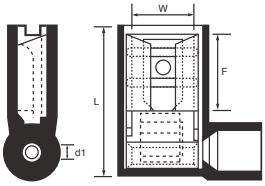


FIGURE 2

WIRE RANGE	PART NUMBER	NEMA TAB	DIMENSION (in/mm)					FIG
			W	F	L	d1	T	
22-16 AWG	**LNDF2216-1ST**	0.020 X 0.187	0.197 (5.0)	0.276 (7.0)	0.591 (15.0)	0.063 (1.6)	0.016 (0.4)	1
	LNDF2216-1T	0.032 X 0.250	0.260 (6.6)	0.299 (7.6)	0.630 (16.0)	0.067 (1.7)	0.016 (0.4)	2
16-14 AWG	**LNDF1614-1ST**	0.020 X 0.187	0.197 (5.0)	0.276 (7.0)	0.598 (15.2)	0.083 (2.1)	0.016 (0.4)	1
	LNDF1614-1T	0.032 X 0.250	0.260 (6.6)	0.299 (7.6)	0.630 (16.0)	0.091 (2.3)	0.016 (0.4)	2

NYLON FULLY INSULATED FEMALE DOUBLE CRIMP DISCONNECTORS

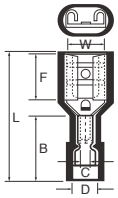


FIGURE 1

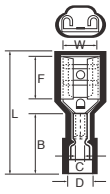


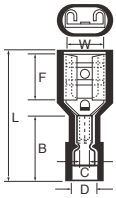
FIGURE 2

22-16 AWG =	0.5 - 1.5 mm^2	0.020 x 0.187 =	0.5 x 4.75 mm
16-14 AWG =	1.5 - 2.5 mm^2	0.032 x 0.187 =	0.8 x 4.75 mm
12-10 AWG =	4.0 - 6.0 mm^2	0.032 x 0.250 =	0.8 x 6.35 mm

WIRE RANGE	PART NUMBER	NEMA TAB	DIMENSION (in/mm)						FIG
			W	F	L	B	D	T	
22-16	**LNDDF2216T187A5**	0.020 X 0.187	0.197 (5.0)	0.256 (6.5)	0.795 (20.2)	0.433 (11.0)	0.157 (4.0)	0.016 (0.4)	2
	LNDDF2216T187A8	0.032 X 0.187	0.197 (5.0)	0.256 (6.5)	0.795 (20.2)	0.433 (11.0)	0.157 (4.0)	0.016 (0.4)	2
	LNDDF2216T250	0.032 X 0.250	0.260 (6.6)	0.303 (7.7)	0.846 (21.5)	0.433 (11.0)	0.157 (4.0)	0.016 (0.4)	1
16-14	**LNDDF1614T187A5**	0.020 X 0.187	0.197 (5.0)	0.256 (6.5)	0.795 (20.2)	0.433 (11.0)	0.197 (5.0)	0.016 (0.4)	2
	LNDDF1614T187A8	0.032 X 0.187	0.197 (5.0)	0.256 (6.5)	0.795 (20.2)	0.433 (11.0)	0.197 (5.0)	0.016 (0.4)	2
	LNDDF1614T250	0.032 X 0.250	0.260 (6.6)	0.287 (7.3)	0.846 (21.5)	0.433 (11.0)	0.197 (5.0)	0.016 (0.4)	1
12-10	**LNDDF1210T250**	0.032 X 0.250	0.260 (6.6)	0.287 (7.3)	0.953 (24.2)	0.512 (13.0)	0.256 (6.5)	0.016 (0.4)	2

FEMALE / MALE DISCONNECTS

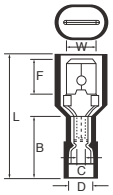
VINYL FULLY INSULATED FEMALE DOUBLE CRIMP DISCONNECTORS



22-16 AWG =	0.5 - 1.5 mm^2	0.020 x 0.187 =	0.5 x 4.75 mm
16-14 AWG =	1.5 - 2.5 mm^2	0.032 x 0.187 =	0.8 x 4.75 mm
12-10 AWG =	4.0 - 6.0 mm^2	0.032 x 0.250 =	0.8 x 6.35 mm

WIRE RANGE	PART NUMBER	NEMA TAB	DIMENSION (in/mm)					
			W	F	L	B	D	T
22-16	**LVDDF2216T187A5**	0.020 X 0.187	0.197 (5.0)	0.252 (6.4)	0.807 (20.5)	0.413 (10.5)	0.150 (3.8)	0.016 (0.4)
	LVDDF2216T187A8	0.032 X 0.187	0.197 (5.0)	0.252 (6.4)	0.807 (20.5)	0.413 (10.5)	0.150 (3.8)	0.016 (0.4)
	LVDDF2216T250	0.032 X 0.250	0.260 (6.6)	0.287 (7.3)	0.858 (21.8)	0.413 (10.5)	0.150 (3.8)	0.016 (0.4)
16-14	**LVDDF1614T187A5**	0.020 X 0.187	0.197 (5.0)	0.252 (6.4)	0.796 (20.2)	0.413 (10.5)	0.185 (4.7)	0.016 (0.4)
	LVDDF1614T187A8	0.032 X 0.187	0.197 (5.0)	0.252 (6.4)	0.796 (20.2)	0.413 (10.5)	0.185 (4.7)	0.016 (0.4)
	LVDDF1614T250	0.032 X 0.250	0.260 (6.6)	0.287 (7.3)	0.874 (22.2)	0.413 (10.5)	0.185 (4.7)	0.016 (0.4)
12-10	**LVDDF1210T250**	0.032 X 0.250	0.260 (6.6)	0.287 (7.3)	0.953 (24.2)	0.413 (10.5)	0.244 (6.2)	0.016 (0.4)

NYLON FULLY INSULATED MALE DOUBLE CRIMP DISCONNECTORS

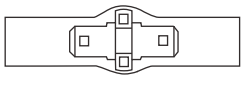


22-16 AWG =	0.5 - 1.5 mm^2	0.020 x 0.187 =	0.5 x 4.75 mm
16-14 AWG =	1.5 - 2.5 mm^2	0.032 x 0.187 =	0.8 x 4.75 mm
12-10 AWG =	4.0 - 6.0 mm^2	0.020 x 0.205 =	0.5 x 5.2 mm
		0.032 x 0.250 =	0.8 x 6.35 mm

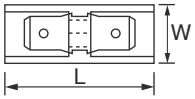
WIRE RANGE	PART NUMBER	NEMA TAB	DIMENSION (in/mm)					
			W	F	L	B	D	T
22-16	**LNDDM2216T250**	0.032 X 0.250	0.250 (6.35)	0.303 (7.7)	0.976 (24.0)	0.433 (11.0)	0.157 (4.0)	0.016 (0.4)
16-14	**LNDDM1614T250**	0.032 X 0.250	0.250 (6.35)	0.303 (7.7)	0.976 (24.0)	0.433 (11.0)	0.157 (4.0)	0.016 (0.4)

ADAPTERS & PIGGY BACK DISCONNECTS

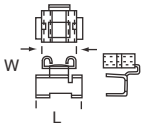
DISCONNECT ADAPTERS



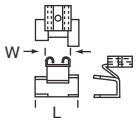
FVC-2DMLONG



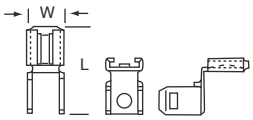
FVC-2DMSHORT



2DM-1DF-Y



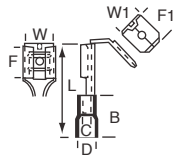
2DM-1DF-Z

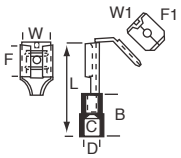


2DM-1DF-H

PART NUMBER	TYPE	TAB SIZE
FVC-2DMLONG	-	.250 X .032
FVC-2DMSHORT	-	.250 X .032
2DM-1DF-Y	Y	.250 X .032
2DM-1DF-Z	Z	.250 X .032
2DM-1DF-H	H	.250 X .032

PIGGY BACK DISCONNECTS





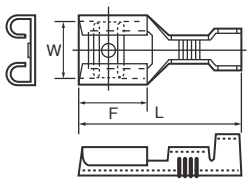
22-16 AWG =	0.5 - 1.5 mm^2
16-14 AWG =	1.5 - 2.5 mm^2
12-10 AWG =	4.0 - 6.0 mm^2

0.020 x 0.110 =	0.5 x 2.8 mm
0.032 x 0.110 =	0.8 x 2.8 mm
0.020 x 0.187 =	0.5 x 4.75 mm
0.032 x 0.187 =	0.8 x 4.75 mm
0.020 x 0.205 =	0.5 x 5.2 mm
0.032 x 0.250 =	0.8 x 6.35 mm

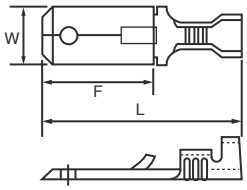
WIRE RANGE	NEMA TAB (in)	DIMENTIONS														**VINYL INSULATED**			**NYLON INSULATED**		
		THICKNESS		B		D		W		W1		F		F1		FLARED ENTRY	LENGTH (L)		WITH TIN PLATED COPPER SLEEVE	LENGTH (L)	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
22-16 AWG	.032 x .250	.016	0.4	0.394	10.0	0.157	4.0	0.26	6.6	0.25	6.35	0.315	8.0	0.323	8.2	**FVDFM2216T250**	0.866	22.0	**FNDDFM2216T250**	0.906	23.0
16-14 AWG	.032 x .250	.016	0.4	0.394	10.0	0.177	4.5	0.26	6.6	0.25	6.35	0.315	8.0	0.323	8.2	**FVDFM1614T250**	0.866	22.0	**FNDDFM1614T250**	0.906	23.0
12-10 AWG	.032 x .250	.016	0.4	0.512	13.0	0.217	5.5	0.26	6.6	0.25	6.35	0.315	8.0	0.323	8.2	**FVDFM1210T250**	0.945	24.0	**FNDDFM1210T250**	0.945	24.0

BARREL TERMINALS, MALE TERMINALS

OPEN BARREL TERMINALS (MALE AND FEMALE)



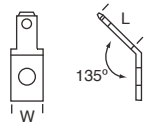
FEMALE



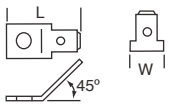
MALE

PART NUMBER	WIRE GUAGE	DIMENSIONS						NEMA TAB (in)
		WIDTH (W)		STUD SIZE (F)		LENGTH (L)		
		in	mm	in	mm	in	mm	
LTI01T110(5)	22-18 AWG	0.126	3.2	0.252	6.4	0.63	16	.020 X .110
LTI01T110(8)	22-18 AWG	0.126	3.2	0.252	6.4	0.63	16	.032 X .110
LTO41T110(5)	22-18 AWG	0.126	3.2	0.252	6.4	0.63	16	.020 X .110
LTO41T110(8)	22-18 AWG	0.126	3.2	0.252	6.4	0.63	16	.032 X .110
LIM01T110(5)	22-18 AWG	0.11	2.8	0.472	12	0.827	21	.020 X .110
LTO61T187(5)	16-14 AWG	0.197	5	0.256	6.5	0.61	15.5	.020 X .187
LTO61T187(8)	16-14 AWG	0.197	5	0.256	6.5	0.61	15.5	.032 X .187
LTO61T205(5)	16-14 AWG	0.26	6.6	0.295	7.5	0.728	18.5	.020 X .205
LMF61T250	16-14 AWG	0.248	6.3	0.295	7.5	0.787	20	.032 X .250
LTO61T250	16-14 AWG	0.26	6.6	0.295	7.5	0.748	19	.032 X .250
LTO71T250	16-14 AWG	0.268	6.8	0.291	7.4	0.748	19	.032 X .250
LTO81T250	12-10 AWG	0.26	6.5	0.291	7.4	0.748	19	.032 X .250
LTM61T250	16-14 AWG	0.244	6.2	0.551	14	0.967	24.6	.020 X .187

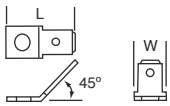
MALE TERMINALS



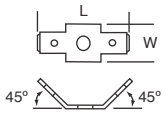
MT110(5)-2-45
MT110(8)-2-45



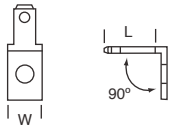
MT187(5)-6-45
MT187(8)-6-45
MT187(5)-10-45



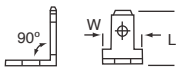
MT250-6-45
MT250-8-45
MT250-10-45



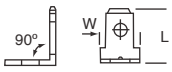
MTD250-6-45
MTD250-6-45
MTD250-10-45



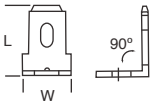
MT110(5)-2-90
MT110(8)-2-90



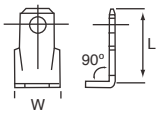
MT187(5)-6-90
MT187(5)-8-90
MT187(5)-10-90



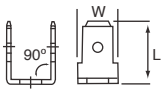
MT250-6-90
MT250-8-90
MT250-10-90



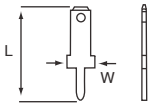
MT250-4-90S



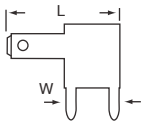
MTW250-90



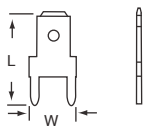
MTD250-6-90
MTD250-8-90
MTD250-10-90



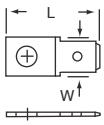
MTPC110(5)
MTPC110(8)



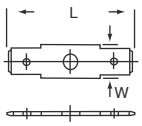
MTPC110(5)RA
MTPC110(8)RA



MTPC187(5)
MTPC187(8)



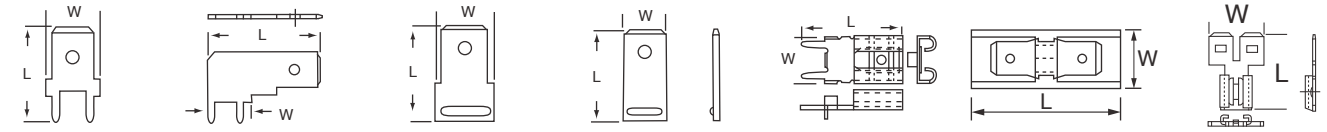
MT250-6
MT250-8
MT250-10
MTD250-4



MTD250-6
MTD250-8
MTD250-10

See Dimention Chart on next page

MALE TERMINALS (cont'd)

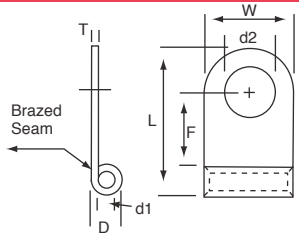


MTPC-250 | MTPC-250-RA | MTW-250 | MTW-250-1 | FTPC-250 | FVC2DM | 2DM-1DF

PART NUMBER	DIMENSIONS						NEMA TAB (in)
	WIDTH (W)		STUD SIZE (F)		LENGTH (L)		
	in	mm	in	mm	in	mm	
MT110(5)-2-45	#2	2.4	0.181	4.6	0.28	7.1	.020 X .110
MT110(8)-2-45	#2	2.4	0.181	4.6	0.28	7.1	.032 X .110
MT187(5)-6-45	#6	3.5	0.496	12.6	0.61	15.5	.020 X .187
MT187(8)-6-45	#8	4.3	0.496	12.6	0.61	15.5	.020 X .187
MT187(5)-10-45	#10	5.3	0.496	12.6	0.61	15.5	.020 X .187
MT250-6-45	#6	3.5	0.315	8	0.689	17.5	.032 X .250
MT250-8-45	#8	4.3	0.315	8	0.689	17.5	.032 X .250
MT250-10-45	#10	5.3	0.315	8	0.689	17.5	.032 X .250
MTD250-6-45	#6	3.5	0.413	10.5	1.063	26.5	.032 X .250
MTD250-8-45	#8	4.3	0.413	10.5	1.063	26.5	.032 X .250
MTD250-10-45	#10	5.3	0.413	10.5	1.063	26.5	.032 X .250
MT110(5)-2-90	#2	2.4	0.181	4.6	0.28	7.1	.020 X .110
MT110(8)-2-90	#2	2.4	0.181	4.6	0.28	7.1	.032 X .110
MT187(5)-6-90	#6	3.5	0.26	6.6	0.429	10.9	.020 X .187
MT187(5)-8-90	#8	4.3	0.26	6.6	0.429	10.9	.020 X .187
MT187(5)-10-90	#10	5.3	0.26	6.6	0.429	10.9	.020 X .187
MT250-6-90	#6	3.5	0.319	8.1	0.457	11.6	.032 X .250
MT250-8-90	#8	4.3	0.319	8.1	0.457	11.6	.032 X .250
MT250-10-90	#10	5.3	0.319	8.1	0.457	11.6	.032 X .250
MT250-4-90S	#4	3.2	0.315	8	0.472	12	.032 X .250
MTW250-90	#2	2.6	0.319	8.1	0.551	14	.032 X .250
MTD250-6-90	#6	3.5	0.319	8.1	0.476	12.1	.032 X .250
MTD250-8-90	#8	4.3	0.319	8.1	0.476	12.1	.032 X .250
MTD250-10-90	#10	5.3	0.319	8.1	0.476	12.1	.032 X .250
MTPC110(5)	-	-	0.157	4	0.543	13.8	.020 X .110
MTPC110(8)	-	-	0.157	4	0.543	13.8	.032 X .110
MTPC110(5)RA	-	-	0.248	6.3	0.524	13.3	.020 X .110
MTPC110(8)RA	-	-	0.248	6.3	0.524	13.3	.032 X .110
MTPC187(5)	-	-	0.248	6.3	0.5	12.7	.020 X .187
MTPC187(8)	-	-	0.248	6.3	0.5	12.7	.032 X .110
MT250-6	#6	3.5	0.315	8	0.748	19	.032 X .250
MT250-8	#8	4.3	0.315	8	0.748	19	.032 X .250
MT250-10	#10	5.3	0.315	8	0.748	19	.032 X .250
MTD250-4	#4	3.2	0.315	8	0.748	19	.032 X .250
MTD250-6	#6	3.5	0.413	10.5	1.339	34	.032 X .250
MTD250-8	#8	4.3	0.413	10.5	1.339	34	.032 X .250
MTD250-10	#10	5.3	0.413	10.5	1.339	34	.032 X .250
MTPC-250	-	-	0.311	7.9	0.551	14	.032 X .250
MTPC-250-RA	-	-	0.303	7.7	0.787	20	.032 X .250
MTW-250	-	-	0.311	7.9	0.512	13	.032 X .250
MTW-250-1	-	-	0.295	7.5	0.661	16.8	0.32 X .250
FTPC-250	-	-	0.295	7.5	0.661	16.8	.032 X .250
FVC2DM	-	-	0.453	11.5	1.094	27.8	.250
2DM-1DF	-	-	0.827	21	2.126	54	.250

FLAG TERMINALS

FLAG TERMINALS



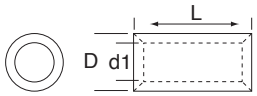
WIRE RANGE		DIMENTIONS											NON-INSULATED		
		THICKNESS (T)		WIDTH (W)		STUD CLEAR (F)		D		d1		d2	BRAZED SEAM	LENGTH (L)	
AWG	mm²	in	mm	in	mm	in	mm	in	mm	in	mm		PART NUMBER	in	mm
22-16	0.5-1.5	0.03	0.75	0.378	9.6	0.314	8	0.139	3.4	0.067	1.7	#10	**FG2216-5**	0.642	16.3
16-14	1.5-2.5	0.031	0.8	0.378	9.6	0.287	7.3	0.161	4.1	0.091	2.3	#10	**FG1614-5**	0.642	16.3
16-14	1.5-2.5	0.031	0.8	0.378	9.6	0.287	7.3	0.161	4.1	0.091	2.3	1/4”	**FG1614-6**	0.642	16.3
12-10	4-6	0.039	1	0.378	9.6	0.291	7.4	0.22	5.6	0.139	3.4	#10	**FG1210-5**	0.701	17.8
12-10	4-6	0.039	1	0.378	9.6	0.291	7.4	0.22	5.6	0.139	3.4	1/4”	**FG1210-6**	0.701	17.8
8	8	0.047	1.2	0.5	12.7	0.378	9.6	0.283	7.2	0.177	4.5	#10	**FG8-5**	0.906	23
8	8	0.047	1.2	0.5	12.7	0.378	9.6	0.283	7.2	0.177	4.5	1/4”	**FG8-6**	0.906	23
8	8	0.047	1.2	0.61	15.5	0.543	13.8	0.283	7.2	0.177	4.5	5/16”	**FG8-8**	1.13	28.7
6	14	0.059	1.5	0.5	12.7	0.378	9.6	0.354	9	0.222	5.65	1/4”	**FG6-6**	0.98	24.9
6	14	0.059	1.5	0.63	16	0.531	13.5	0.354	9	0.222	5.65	5/16”	**FG6-8**	1.201	30.5
4	22	0.067	1.7	0.551	14	0.382	9.7	0.453	11.5	0.303	7.7	1/4”	**FG4-6**	1.11	28.2
4	22	0.067	1.7	0.689	17.5	0.543	13.8	0.453	11.5	0.303	7.7	5/16”	**FG4-8**	1.339	34
2	38	0.071	1.8	0.72	18.3	0.535	13.6	0.524	13.3	0.37	9.4	1/4”	**FG2-6**	1.421	36.1
2	38	0.071	1.8	0.72	18.3	0.535	13.6	0.524	13.3	0.37	9.4	5/16”	**FG2-8**	1.421	36.1
2	38	0.071	1.8	0.72	18.3	0.535	17.3	0.524	13.3	0.37	9.4	3/8”	**FG2-9**	1.421	36.1
1/0	60	0.071	1.8	0.878	22.3	0.681	17.3	0.61	15.5	0.449	11.4	5/16”	**FG1/0-8**	1.732	44
1/0	60	0.071	1.8	0.878	22.3	0.681	17.3	0.61	15.5	0.449	11.4	3/8”	**FG1/0-9**	1.732	44
1/0	60	0.071	1.8	0.878	22.3	0.681	17.3	0.61	15.5	0.449	11.4	1/2”	**FG1/0-13**	1.732	44
2/0	70	0.079	2	0.941	23.9	0.681	17.3	0.689	17.5	0.516	13.1	5/16”	**FG2/0-8**	1.839	46.7
2/0	70	0.079	2	0.941	23.9	0.681	17.3	0.689	17.5	0.516	13.1	3/8”	**FG2/0-9**	1.839	46.7
2/0	70	0.079	2	0.941	23.9	0.681	17.3	0.689	17.5	0.516	13.1	1/2”	**FG2/0-13**	1.839	46.7
3/0	80	0.091	2.3	1.063	27	0.701	17.8	0.768	19.5	0.571	14.5	3/8”	**FG3/0-9**	2	50.8
3/0	80	0.091	2.3	1.063	27	0.701	17.8	0.768	19.5	0.571	14.5	1/2”	**FG3/0-13**	2	50.8

LONG BARREL FLAG TERMINALS

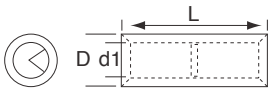
WIRE RANGE AWG	DIMENSIONS		NON-INSULATED		D	d1	T	VINYL INSULATED		D	d1	T
	WIDTH (W)	STUD CLEAR (F)	BRAZED SEAM	LENGTH (L)				FUNNEL ENTRY	LENGTH (L)			
	in/mm	in/mm	PART NUMBER	in/mm	in/mm	in/mm	in/mm	PART NUMBER	in/mm	in/mm	in/mm	in/mm
22-16 AWG												
16-14 AWG												
12-10 AWG												

PARALLEL, BUTT SPLICE CONNECTORS
PIN TERMINALS

NON-INSULATED PARALLEL & BUTT CONNECTORS



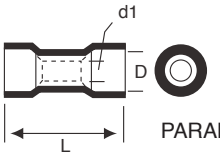
PARALLEL



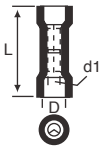
BUTT

WIRE RANGE		DIMENSIONS						PARALLEL			BUTT		
		D		d1		T		PART	LENGTH (L)		PART	LENGTH (L)	
AWG	mm²	in	mm	in	mm	in	mm	NUMBER	in	mm	NUMBER	in	mm
22-16	0.5-1.5	0.13	3.3	0.067	1.7	0.031	0.8	**P2216**	0.315	8	**C2216**	0.591	15
16-14	1.5-2.5	0.154	3.9	0.091	2.3	0.031	0.8	**P1614**	0.315	8	**C1614**	0.591	15
12-10	4-6	0.213	5.4	0.134	3.4	0.039	1	**P1210**	0.335	8.5	**C1210**	0.591	15
8	8	0.276	7	0.177	4.6	0.047	1.2	**P-8**	0.374	9.5	**C-8**	0.827	21
6	14	0.35	8.9	0.232	5.9	0.059	1.5	**P-6**	0.433	11	**C-6**	1.024	26
4	22	0.445	11.3	0.307	7.8	0.069	1.75	**P-4**	0.531	13.5	**C-4**	1.142	29
2	38	0.52	13.2	0.374	9.5	0.079	1.85	**P-2**	0.65	16.5	**C-2**	1.26	32
1/0	60	0.602	15.3	0.449	11.4	0.077	1.95	**P1/0**	0.748	19	**C1/0**	1.417	36
2/0	70	0.689	17.5	0.524	13.3	0.083	2.1	**P2/0**	0.748	19	**C2/0**	1.457	37
3/0	80	0.768	19.5	0.571	14.5	0.098	2.5	**P3/0**	0.768	19.5	**C3/0**	1.496	38
4/0	100	0.87	22.1	0.646	16.4	0.112	2.85	**P4/0**	0.787	20	**C4/0**	1.496	38

INSULATED PARALLEL & BUTT SPLICE CONNECTORS



PARALLEL



BUTT

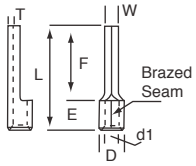
22-16 AWG = 0.5 - 1.5 mm²

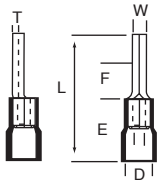
16-14 AWG = 1.5 - 2.5 mm²

12-10 AWG = 4.0 - 6.0 mm²

WIRE RANGE	DIMENSIONS				VINYL INSULATED			NYLON INSULATED		
	D		d1		BUTTED SEAM	LENGTH (L)		COPPER TUBULAR	LENGTH (L)	
	in	mm	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
PARALLEL										
22-16 AWG	0.157	4	0.067	1.7	**FVP2216**	0.512	13	**FNP2216**	0.63	16
16-14 AWG	0.177	4.5	0.091	2.3	**FVP1614**	0.512	13	**FNP1614**	0.63	16
12-10 AWG	0.248	6.3	0.134	3.4	**FVP1210**	0.591	15	**FNP1210**	0.808	20.5
BUTT SPLICE										
22-16 AWG	0.157	4	0.067	1.7	**FVC-2216**	0.953	24.2	**FNC-2216**	0.992	25.2
16-14 AWG	0.177	4.5	0.091	2.3	**FVC-1614**	0.953	24.2	**FNC-1614**	0.992	25.2
12-10 AWG	0.248	6.3	0.134	3.4	**FVC-1210**	1.024	26	**FNC-1210**	1.11	28.2

PIN TERMINALS



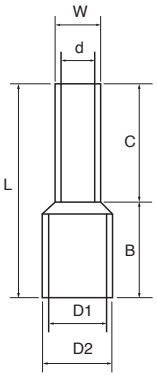


WIRE RANGE	DIMENSIONS								NON INSULATED					VINYL INSULATED				
	F		d1		T		W		BRAZED SEAM	L		D		FUNNEL ENTRY	L		D	
	in	mm	in	mm	in	mm	in	mm	PART NUMBER	in	mm	in	mm	PART NUMBER	in	mm	in	mm
22-16 AWG	0.472	12	0.067	1.7	0.03	0.75	0.075	1.9	**PC2216**	0.661	16.8	0.134	3.4	**FVLPC2216**	0.858	21.8	0.157	4
16-14 AWG	0.472	12	0.09	2.3	0.031	0.8	0.075	1.9	**PC1614**	0.661	16.8	0.161	4.1	**FVLPC1614**	0.858	21.8	0.177	4.5
12-10 AWG	0.551	14	0.13	3.4	0.039	1	0.11	2.8	**PC1210**	0.787	20	0.22	5.6	**FVLPC1210**	1.063	27	0.248	6.3

FERRULES, COUPLERS
PRE-STRETCH TUBING

FERRULES - NYLON INSULATED

PART NUMBER	WIRE TYPE	COLOUR
TE-0.5	22 AWG	WHITE
TE-0.74	20 AWG	BLUE
TE-1	18 AWG	RED
TE-1.5	16 AWG	BLACK
TE-2.5	14 AWG	GREY
TE-4	12 AWG	ORANGE
TE-6	10 AWG	GREEN



Ferrules

Nylon insulated for wire termination into European rail-type terminal blocks.

NYLON FULLY INSULATED MALE & FEMALE COUPLERS

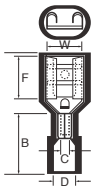


FIGURE 1

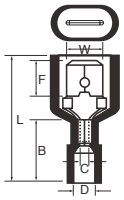


FIGURE 2

22-16 AWG =	0.5 - 1.5 mm^2	0.020 x 0.187 =	0.5 x 4.75 mm
16-14 AWG =	1.5 - 2.5 mm^2	0.032 x 0.187 =	0.8 x 4.75 mm
12-10 AWG =	4.0 - 6.0 mm^2	0.020 x 0.205 =	0.5 x 5.2 mm
		0.032 x 0.250 =	0.8 x 6.35 mm

WIRE RANGE	PART NUMBER	NEMA TAB	DIMENSIONS												FIG
			W		F		L		B		D		T		
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
22-16 AWG	**LNDF2216T250C**	0.032 X 0.250	0.260	6.6	0.287	7.3	0.866	22.0	0.433	11.0	0.157	4.0	0.016	0.4	1
16-14 AWG	**LNDF1614T250C**	0.032 X 0.250	0.260	6.6	0.287	7.3	0.866	22.0	0.433	11.0	0.157	4.0	0.016	0.4	1
12-10 AWG	**LNDF1210T250C**	0.032 X 0.250	0.260	6.6	0.287	7.3	0.866	22.0	0.433	11.0	0.157	4.0	0.016	0.4	--
22-16 AWG	**LNDM2216T250C**	0.032 X 0.250	0.250	6.35	0.303	7.7	0.906	23.0	0.433	11.0	0.157	4.0	0.016	0.4	2
16-14 AWG	**LNDM1614T250C**	0.032 X 0.250	0.250	6.35	0.303	7.7	0.945	24.0	0.433	11.0	0.177	4.5	0.016	0.4	2
12-10 AWG	**LNDM1210T250C**	0.032 X 0.250	0.250	6.35	0.303	7.7	0.984	25.0	0.512	13.0	0.248	6.3	0.016	0.4	--

PRE-STRETCH TUBING - COLD SHRINK INSULATORS UP TO 1,000 V

PART NUMBER	CONDUCTOR SIZE (AWG / KCMIL)	MIN CABLE DIAMETER FOR SEAL (in)	MAX DIAMETER** INSULATOR COVERS (in)	MAX CONNECTOR LENGTH (in)
8424-7	10-4	0.10	0.70	3
8425-7	2 - 2/0	0.39	0.70	3
8426-9	2/0 - 250 MCM	0.51	1.00	5
8426-11	2/0 - 250 MCM	0.51	1.00	7

Part number includes relaxed length of insulator
**Cable or connector diameter

Pre-Stretched Tubing

PST Cold Shrink Insulators – Up to 1,000V. Cold Shrink connector insulators are a series of open-ended, tubular rubber sleeves which are factory expanded and assembled onto a removable core. They are supplied for field installation in this pre-stretched condition. The core is removed after the sleeve has been positioned for installation over an inline connection, terminal lug, etc., allowing the sleeve to shrink and form a water-proof seal. The insulating sleeve is made of EPDM rubber, which contains no chlorides or sulfurs.

Important: Use the insulation jacket or connector OD for final ordering criteria.

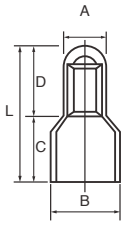
SLEEVES, CLOSED END CONNECTORS

VINYL SLEEVES

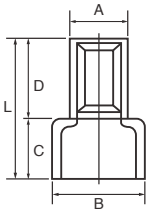
Part Number
1501PVC(402)
1502PVC(401)
1503PVC
1505PVC(503)
1506PVC(604)
1508PVC(606)
1509PVC-16
1509PVC-18
1509PVC

CLOSED END CONNECTORS

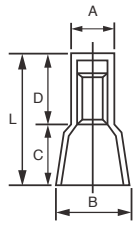
1 (CE Type)



2 (SDB Type)



3 (CD Type)



WIRE RANGE	DIMENSIONS										NYLON INSULATED			FIGURE
	D		W		F		SLEEVE LENGTH (E)		SLEEVE ID (C)		FUNNEL ENTRY	LENGTH (L)		
	in	mm	in	mm	in	mm	in	mm	in	mm	PART NUMBER	in	mm	
22-16 AWG	0.315	8.0	0.224	5.69	0.453	11.5	0.288	7.31	0.118	3.0	**CE230**	0.827	21.0	1
16-14 AWG	0.33	8.38	0.22	5.59	0.52	13.2	0.275	6.98	0.118	3.0	**CE233**	0.83	21.1	1
12-10 AWG	0.374	9.5	0.283	7.19	0.588	14.9	0.335	8.51	0.15	3.81	**CE500**	1.06	26.9	1
8 AWG	0.472	12.0	0.364	9.25	0.622	15.8	0.374	9.50	0.453	11.5	**CE800**	1.07	27.3	1
22-16 AWG	0.244	6.2	0.22	5.60	0.362	9.2	0.275	7.0	0.094	2.4	**2218-SDB**	0.598	15.5	2
16-14 AWG	0.244	6.2	0.22	5.60	0.362	9.2	0.275	7.0	0.11	3.0	**1614-SDB**	0.598	15.5	2
12-10 AWG	0.377	9.6	0.291	7.40	0.417	10.6	0.334	8.5	1.54	4.0	**1210-SDB**	0.701	18.3	2
8 AWG	0.472	12.0	0.366	9.30	0.472	12.0	0.374	9.5	0.297	7.54	**8-SDB**	0.874	22.2	2
22-16 AWG	0.256	6.5	0.224	5.60	0.323	8.20	0.244	6.19	0.094	2.4	**CE125S**	0.551	14.0	3
16-14 AWG	0.315	8.0	0.226	5.75	0.354	8.99	0.272	6.9	0.122	3.1	**CE200S**	0.61	15.5	3
12-10 AWG	0.425	10.8	0.291	7.39	0.374	9.50	0.283	7.19	0.154	3.91	**CE500S**	0.669	17.0	3
8 AWG	0.472	12.0	0.364	9.24	0.512	13.0	0.323	8.2	0.224	5.67	**CE800N**	0.985	25.0	3

Nylon Closed End Connectors

Etlin Closed End Connectors are made of Nylon with a tin plated copper tube to ensure a perfect crimp connection. Just strip the wires and insert securely inside the Closed End Connector, then crimp with a ratchet crimping tool. For use with copper wire only; use stranded or solid wire.

Operating Temperature Limit: 105°C

Crimping and stripping instructions are included in each bag of Closed End Connectors. All connectors are UL and CSA approved. Ratchet and air crimping tools are also available from Etlin.

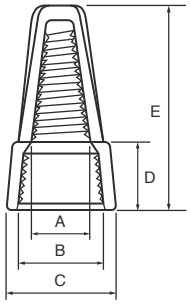
CLOSED END CONNECTORS

WIRE COMBINATION CHART FOR CLOSED END CONNECTORS

PART NUMBER	WIRE A	WIRE B	22 AWG	20 AWG	18 AWG	16 AWG	14 AWG	12 AWG	10 AWG
CE230 2218-SDB CE125S	22 AWG	1	1-3	1-2	1	1	-	-	-
		2	-	1-2	1	-	-	-	-
		3	-	1	1	-	-	-	-
	20 AWG	1	1-3	1-2	1	1	-	-	-
		2	1-2	-	-	-	-	-	-
	18 AWG	1	1-2	1	1	-	-	-	-
	16 AWG	1	1	1	-	-	-	-	-
CE233 1614-SDB CE200S	22 AWG	1	3-7	2-4	1-2	1-2	1	-	-
		2	-	1-3	1-2	1	1	-	-
		3	-	1-3	1-2	1	1	-	-
	20 AWG	1	2-6	1-4	1-2	1-2	1	-	-
		2	1-5	-	1-2	1	1	-	-
		3	1-4	-	1-2	1	-	-	-
	18 AWG	1	1-5	1-3	1-2	1	1	-	-
		2	1-4	1-2	-	1	-	-	-
		3	1-2	1	-	-	-	-	-
	16 AWG	1	1-4	1-2	1-2	1	-	-	-
	14 AWG	1	1-2	1	1	-	-	-	-
CE500 1210-SDB CE550S	22 AWG	1	7-9	5-9	3-6	2-3	2	1	1
		2	-	4-8	3-6	2-3	1	1	-
		3	-	4-7	3-5	2	1	1	-
	20 AWG	1	7-8	4-8	3-5	2-3	1-2	1	1
		2	5-7	-	2-4	1-2	1-2	1	-
		3	3-5	-	2-3	1-2	1-2	1	-
	18 AWG	1	6-8	4-7	2-3	2-3	1-2	1	-
		2	4-6	1-5	-	1-2	1-2	1	-
		3	1-5	1-3	-	1-2	1	1	-
	16 AWG	1	5-8	3-4	2-4	1-2	1-2	1	-
		2	1-6	1-3	1-2	-	1	-	-
		3	1-5	1-2	1-2	-	-	-	-
	14 AWG	1	2-7	1-6	1-4	1-2	1-2	1	-
	12 AWG	1	1-6	1-4	1-2	1	1	-	-
CE800N 8-SDB CE800	20 AWG	1	-	7-12	5-8	3-4	2-3	1-2	1
		2	-	-	4-7	2-4	2-3	1-2	1
		3	-	-	4-7	2-4	2	1	1
		4	-	-	3-6	1-3	1-2	1	1
		5	-	-	2-5	1-3	1-2	1	1
		6	-	-	2-4	1-2	1	1	1
	18 AWG	1	-	7-11	5-8	3-4	2-3	1-2	1
		2	-	5-10	-	2-4	2	1-2	1
		3	-	4-9	-	2-3	1-2	1	1
		4	-	2-8	-	1-2	1-2	1	1
		5	-	1-6	-	1-2	1	1	-
	16 AWG	1	-	7-11	4-8	3-4	2	1	1
		2	-	5-10	2-6	-	1-2	1	-
		3	-	1-7	1-4	-	1-2	1	-
		4	-	1-6	1-3	-	1-2	1	-
	14 AWG	1	-	7-10	3-7	2-4	1-2	1	1
		2	-	1-8	1-4	1-2	-	1	-
		3	-	1-5	1-2	1-2	-	-	-
	12 AWG	1	-	1-8	1-5	1-2	1	1	1
		2	-	1-2	1-2	1	1	-	-
	10 AWG	1	-	1-5	1-4	1-3	1	1	-

WIRE CONNECTORS - TWIST-ON TYPE

PART NUMBER	DIMENSIONS									
	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
E-1	0.15	3.8	0.264	6.7	0.339	8.6	0.228	5.8	0.598	15.2
E-2	0.161	4.1	0.276	7	0.386	9.8	0.232	5.9	0.693	17.6
E-3	0.197	5	0.39	9.9	0.48	12.2	0.307	7.8	0.866	22
E-4	0.236	6	0.441	11.2	0.55	14	0.311	7.9	0.945	24
E-5	0.276	7	0.504	12.8	0.63	16	0.35	8.9	1.047	26.6



PART NUMBER	COLOUR	WIRE RANGE		VOLTAGE
		MIN	MAX	
E-1	GREY	3#22	2#16	300V
E-1-25	GREY	3#22	2#16	300V
E-1-CB	GREY	3#22	2#16	300V
E-2	BLUE	1#18 + 1#22	3#16	300V
E-2-25	BLUE	1#18 + 1#22	3#16	300V
E-2-CB	BLUE	1#18 + 1#22	3#16	300V
E-3	ORANGE	1#18 + 1#20	3#16 + 1#18	600V
E-3-25	ORANGE	1#18 + 1#20	3#16 + 1#18	600V
E-3-CB	ORANGE	1#18 + 1#20	3#16 + 1#18	600V
E-4	YELLOW	3#18	3#12	600V
E-4-25	YELLOW	3#18	3#12	600V
E-4-CB	YELLOW	3#18	3#12	600V
E-5	RED	2#14	2#10	600V
E-5-25	RED	2#14	2#10	600V
E-5-CB	RED	2#14	2#10	600V

PVC Wire Nut Connectors with Springs

Etlin Wire Nut Connectors are the industry standard with durability and high quality. They come with square wire spring threads which make tightening easy and fast. These connectors are removable for re-use and are colour coded.

Connectors are moulded from extruded PVC fire resistant material. They resist cracking and are excellent against environmental extremities. The high dielectric shell has a deep skirt design which prevents exposure of bare wire. The versatile selection of sizes covers building wires from #22 to #10 AWG.

Suffix “CB” means packed in 100 Pack cardboard box and suffix “-25” means packed in 25 Pack poly bag with head card.

HIGH TEMPERATURE TWIST-ON CONNECTORS

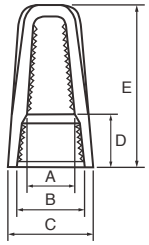
PART NUMBER	COLOUR	WIRE RANGE		VOLTAGE
		MIN	MAX	
E-1B	BLACK	3#22	2#16	300V
E-3B	BLACK	1#18 + 1#20	3#16 + 1#18	600V
E-3B-25	BLACK	1#18 + 1#20	3#16 + 1#18	600V
E-3B-CB	BLACK	1#18 + 1#20	3#16 + 1#18	600V

These High Temperature wire connectors are CSA and UL Approved for 150°C.

TWIST-ON CONNECTORS

ALL PLASTIC PRODUCTION TWIST CONNECTORS

PART NUMBER	COLOUR	WIRE RANGE		VOLTAGE
		MIN	MAX	
H-1	YELLOW	2#22	2#16 + 1#22	300V
H-1-CB	YELLOW	2#22	2#16 + 1#22	300V
H-3	IVORY	1#18 + 1#22	3#16	300V
H-3-CB	IVORY	1#18 + 1#22	3#16	300V
H-5	IVORY	1#20 + 4#22	2#14	600V
H-5-CB	IVORY	1#20 + 4#22	2#14	600V



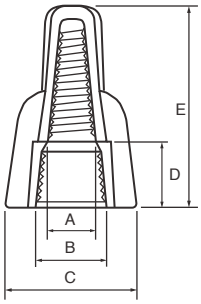
***FOR DIMENTIONS, SEE CHART ON PREVIOUS PAGE**

All Plastic Wire Nut Connectors

These Etlin All Plastic Connectors are used on OEM assembly applications, especially for production lines, and are easy to install without any power tools. They make a strong, secure connection and have a high dielectric strength. The long skirt length protects the wire insulation. The plastic is tough and shields against environmental extremes. Connectors resist cracking and are immune to chemical action from dilute acid and alkaline solutions. They are self-extinguishing and are heat resistant to 105°C.

WINGED WIRE CONNECTORS - TWIST-ON TYPE

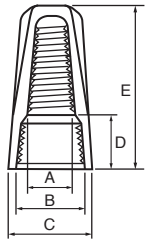
PART NUMBER	DIMENSIONS									
	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
E-11	0.252	6.4	0.386	9.8	0.717	18.2	0.354	9	1.016	25.8
E-12	0.283	7.2	0.457	11.6	0.72	18.3	0.362	9.2	1.142	29
E-13	0.354	9	0.531	13.5	0.906	23	0.378	9.6	1.252	31.8
E-15	0.394	10	0.587	14.9	1.0	25.4	0.394	10	1.311	33.3
E-17	0.472	12	0.74	18.8	1.26	32	0.516	13.1	1.575	40



PART NUMBER	COLOUR	WIRE RANGE		VOLTAGE
		MIN	MAX	
E-11	YELLOW	2#18	3#12	600
E-11-25	YELLOW	2#18	3#12	600
E-11-CB	YELLOW	2#18	3#12	600
E-12	TAN	3#22	3#16	600
E-12-25	TAN	3#22	3#16	600
E-12-CB	TAN	3#22	3#16	600
E-13	RED	2#14	5#12	600
E-13-25	RED	2#14	5#12	600
E-13-CB	RED	2#14	5#12	600
E-15	GREY	3#14 + 1#18	3#10	600
E-15-25	GREY	3#14 + 1#18	3#10	600
E-15-CB	GREY	3#14 + 1#18	3#10	600
E-17	BLUE	2#10 + 1#12	3#10 + 1#18	600
E-17-25	BLUE	2#10 + 1#12	3#10 + 1#18	600
E-17-CB	BLUE	2#10 + 1#12	3#10 + 1#18	600

HIGH TEMPERATURE PORCELAIN TWIST-ON CONNECTORS

PART NUMBER	COLOUR	WIRE RANGE		VOLTAGE
		MIN	MAX	
HI-1	WHITE	2#18	1#16 + 1#14	300
HI-1-25	WHITE	2#18	1#16 + 1#14	300
HI-1-CB	WHITE	2#18	1#16 + 1#14	300
HI-5	WHITE	2#18	1#16 + 1#14	300
HI-5-25	WHITE	2#18	1#16 + 1#14	300
HI-5-CB	WHITE	2#18	1#16 + 1#14	300
HI-7	WHITE	2#18	1#16 + 1#14	300
HI-7-25	WHITE	2#18	1#12 + 1#16	300
HI-7-CB	WHITE	2#18	1#12 + 1#16	300



Porcelain Wire Nut Connectors

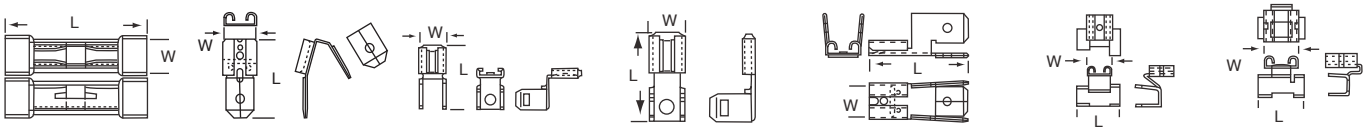
Etlin Porcelain Wire Nuts are an excellent connector for high temperature applications in excess of 105°C (302°F). They are commonly used in electrical, heating, lighting and cooking appliances. The large skirt permits easy wire installation and connection during hand or power drive assembly. They can be used for solid and/or stranded wire.

LISTED AS PRESSURE TYPE CONNECTORS FOR JOINING THE FOLLOWING COMBINATIONS OF SOLID AND/OR STRANDED WIRE

HI-1	HI-5	HI-7
300 Volts Maximum	300 Volts Maximum	300 Volts Maximum
2, 3 or 4 No. 18	2, 3 or 4 No. 18	2, 3, 4 or 5 No. 18
2 or 3 No. 16	2 or 3 No. 16	1 No. 18 with 1, 2 or 3 No. 16
1 or 2 No. 18 with 1 or 2 No. 16	1 or 2 No. 18 with 1 No. 16	2 or 3 No. 18 with 1 No. 16
3 No. 18 with 1 No. 16	1 or 2 No. 18 with 1or 2 No. 16	2, 3 or 4 No. 16
1 No. 18 with 1 No. 14	1 No. 18 with 1 No. 14	1 No. 14 with 1, 2 or 3 No. 18
1 No. 16 with 1 No. 14	2 No. 18 with 1 No. 14	1 No. 14 with 1, 2 or 3 No. 16
	1 No. 16 with 1 No. 14	2 No. 14 with 1, 2 or 3 No. 18
		2 No. 14 with 1, 2 or 3 No. 16
		2 No. 14
		1 No. 12 with 1 or 2 No. 18
		1 No. 12 with 1 No. 16

PUSH-IN CONNECTORS

MULTI-WAY ADAPTERS



FVC-2DSP | 250-03MFM | 250-03Z | 250-03V | SWALR | SWASLR | FVC-2DM

PART NUMBER	DIMENSIONS				NEMA TAB		DESCRIPTION
	WIDTH (W)		LENGTH (L)				
	in	mm	in	mm	in	mm	
FVC-2DSP	0.307	7.8	1.26	32	0.156	4	2-WAY BULLET RECEPTACLE
250-03MFM	0.291	7.4	0.709	18	0.25	6.35	3-WAY ADAPTER (2 MALE TABS)
250-03Z	0.331	8.4	0.827	21	0.25	6.35	CHAIR ADAPTER (2 MALE TABS)
250-03V	0.335	8.5	0.811	20.6	0.25	6.35	90° CHAIR ADAPTER (2 MALE TABS)
SWALR	0.299	7.6	0.827	21	0.25	6.35	CHAIR ADAPTER (3 MALE TABS)
SWASLR	0.339	8.6	0.571	14.5	0.25	6.35	SIDE ADAPTER (8 AWG)
FVC-2DM	0.331	8.4	0.433	11	0.25	6.35	SIDE ADAPTER (1210 AWG)

WIRE CONNECTORS - PUSH-IN TYPE

P-Nut Wire Connectors

General:

Vibration Proof: The special design of the clamping spring makes the P-Nut vibration proof and eliminates all the problems of loose wires and connections associated with shipping and handling.
Installation: Easy to install – faster! No more twisting or tapping! Just strip and push.
Time Saving: Speed up your production lines and decrease down-time.
Convenient Testing: The front test port allows for testing without disconnecting wires. This makes quality control and trouble shooting more efficient.

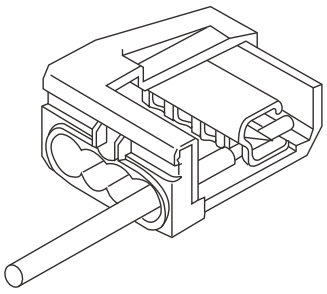
Applications:

- Ballast Replacement
- Assembly Lines
- Junction Boxes
- Control Panels
- Data/Telecom Hook-Up
- Security/Alarm Applications
- Lighting Retrofit

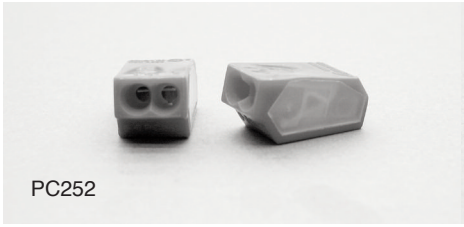
Technical Data:

Housing Material: Tough, durable, flame resistant Polyamide 6.6
Temperature Range: -40°C to 105°C (-40°F to 221°F), UL Approved up to 150°C (302°F)
Clamping Spring: Vibration proof. Made of high tensile stainless steel to provide constant pressure, even under high heat and/or chemical exposure.
Rated Voltage: 600V maximum for building wire, 1,000V maximum for signs and fixtures.

PART NUMBER	COLOUR	NO. OF POLES	WIRE RANGE	VOLTAGE	STRIP LENGTH (mm)
2001/1.5/3	GREY	3	22-16 AWG	600	10
2001/1.5/6	GREY	6	22-16 AWG	600	10
2001/2.5/3	ORANGE	3	18-12 AWG	600	10
2001/2.5/6	ORANGE	5	18-12 AWG	600	10
2002/2.5/4	BLUE	4	18-12 AWG	600	9
2003/1.5/3	GREY	3	22-16 AWG	600	10
2003/2.5/3	ORANGE	3	18-12 AWG	600	9



WIRE CONNECTORS - PUSH-IN TYPE (Cont'd)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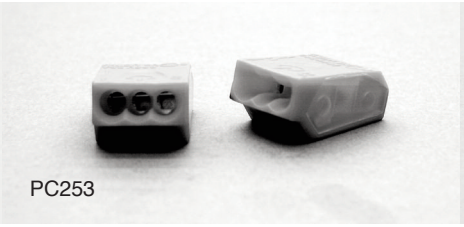
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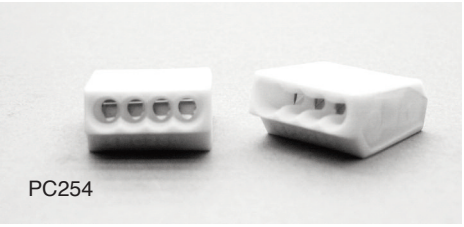
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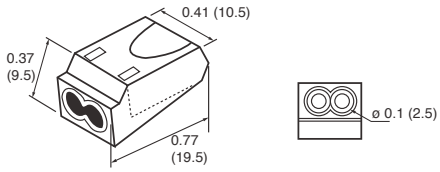

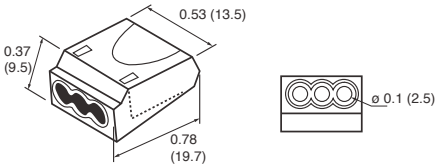

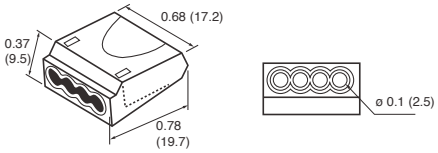

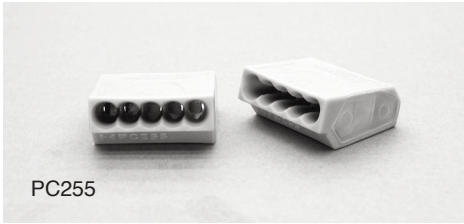
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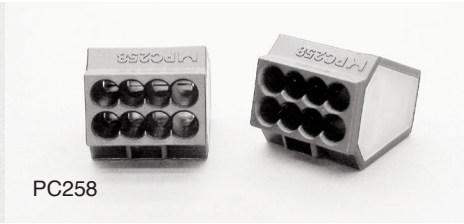
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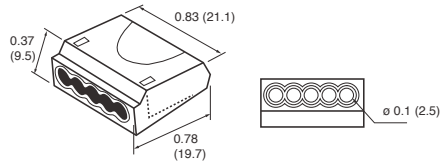
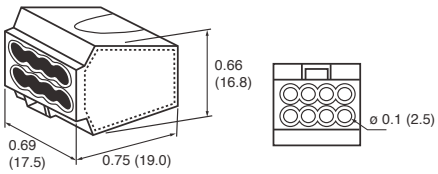




Technical Data:

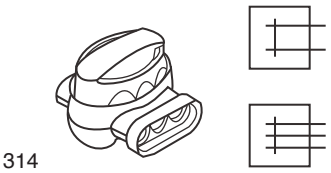
Housing Material: Thermoplastic, UL 94V-2 flame retardant
Current: 24A (VDE)
Voltage: UL-600V, VDE-450V
Working Temperature: 110°C
Wire Range: 12-22 AWG Solid conductor
Stripping Length: 0.43" (11.0 mm)
Colour: Coded according to different position

Rating: UL/cUL File No. E-113650

PART NUMBER	COLOUR	SIZE		NO. OF POLES
		in	mm	
PC252-T	TRANSPARENT	0.098	2.5	2
PC253-T	TRANSPARENT	0.098	2.5	3
PC254-T	TRANSPARENT	0.098	2.5	4
PC255-T	TRANSPARENT	0.098	2.5	5
PC258-T	TRANSPARENT	0.098	2.5	8

INSULATION DISPLACEMENT CONNECTORS

INSULATION DISPLACEMENT CONNECTORS (IDCs)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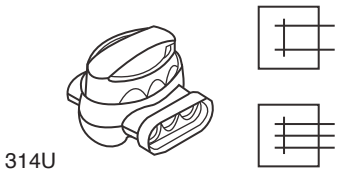
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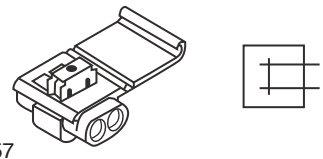
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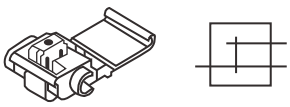
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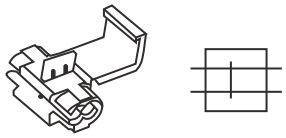

564

PART NUMBER	COLOUR	TYPE OF CONNECTION	WIRE RANGE	VOLTAGE	MAXIMUM INS OD
314	BLUE CAP	2/3 PIGTAIL	22-14 AWG	600	0.150”
314U	WHITE CAP	2/3 PIGTAIL	22-14 AWG	600	0.150”
557	RED	2 PIGTAIL	22-14 AWG	600	0.120”
558	RED	1 TAP	22-14 AWG	600	0.150”
564	WHITE	2 PARALLEL	18-14 AWG	600	0.145”

Insulation Displacement Connectors (IDCs)

Insulation Displacement Connectors offer labour saving convenience because stripping is not required. A wide variety of sizes and styles is offered for applications such as: fluorescent ballast installation and replacement, fixture and appliance wiring, automotive and marine wiring, and control circuit wiring.

UL Listed and CSA Certified IDCs have a voltage rating of 600 V maximum for building wire; 1,000 V maximum for signs, fixtures and luminaries.

Instructions for Use:

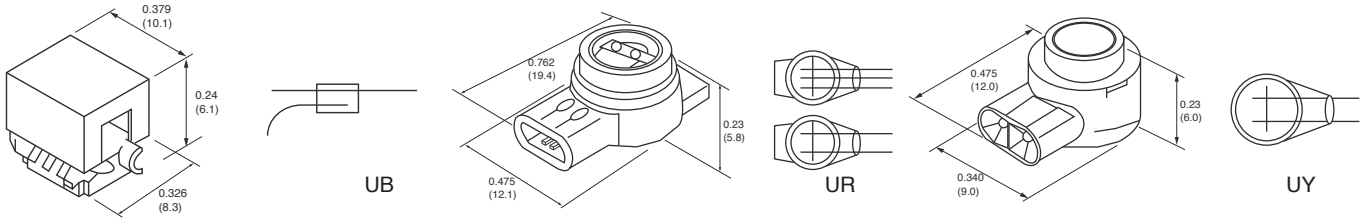
No strip, no twist, just squeeze. Just that simple. The unique "U" contact provides fast dependable electrical connections without wire stripping. A "live spring" joint is made by driving the "U" contact down into the connector. As the "U" contact is pressed into the connector, it grasps conductors by displacing insulation. The "U" contact grips the conductor and holds with a firm, resilient pressure.

314, 314U, 557 & 558

Operating Temperature: 105°C
UL File No. E23438
CSA File No. LR15503

Also meets the intent of UL Standard for Portable Electric Lamps, UL153, Paragraph 14.2, when housed within the body of the lamp.

INSULATION DISPLACEMENT CONNECTORS (IDC) FOR COMMUNICATION



PART NUMBER	COLOUR	TYPE OF CONNECTION	WIRE RANGE
UB	BLUE	TAP	SOLID 22-26
UG	GREEN	TAP	SOLID 19-26
UR	RED	2-3 WIRE BUTT	SOLID 19-26
UY	YELLOW	2 WIRE BUTT	SOLID 22-26

Insulation Displacement Connectors (IDC) for Communication

Communications connectors may be used on standard polyethylene wire insulation, the polypropylene insulation of filled cable, and on pulp. Use of a connector is limited only to wire range and port size. Wire sizes may be intermixed within a connector.

Instructions for Use:

1. Trim and straighten conductors.
2. Separate and fully insert conductors.
3. Crimp with cap side down. Allows quick, visual check before and after crimp.

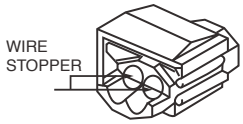
Communication Connector Tool (E Series)

Stepped jaws tool is used for crimping communications connectors. Use caution to make sure wire and insulation is pushed completely into the connector before crimping.

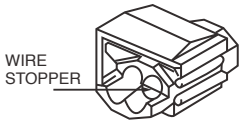
It is recommended that when splicing 19 AWG using the tool that no more than two conductors be crimped.

QUICK SPLICE CONNECTORS

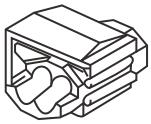
QUICK SPLICE CONNECTORS



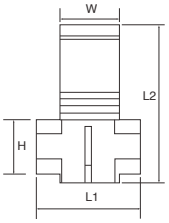
PTR Closed End



PTV Branch Tap



PTW H Tap



All PT Series

801, 901 & 903

Operating Temperature: 90°C
UL File No. E23438

902

Operating Temperature: 105°C
UL File No. E23438
CSA File No. LR15503

951, 952 & 953

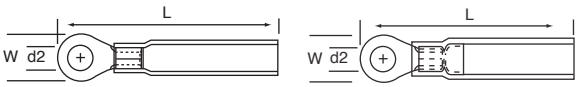
Operating Temperature: 105°C
UL File No. E70512
CSA File No. LR32411

PART NUMBER	COLOUR	TYPE OF CONNECTION	WIRE RANGE	VOLTAGE	MAXIMUM INS OD
PTV-09 (905)	RED	T-TAP	22-16 AWG		
PTW-09	RED	4-WAY TAP	22-16 AWG		
PTV-20 (801)	BLUE	T-TAP	16-14 AWG		
PTW-20	BLUE	4-WAY TAP	16-14 AWG		
903 IDC	YELLOW	4-WAY TAP / T-TAP	12-10 AWG	600	.190”
902 IDC	BROWN	MAIN / 18-14 TAP	12-10 AWG	600	.145” / .190”
952 IDC	BLUE	TAP / .250” MALE	16-14 AWG		
801	BLUE	TAP / PARALLEL	18-14 AWG	600	.145”
901	BLACK	TAP / .156” MALE BULLET	18-14 AWG	600	.145”
905	RED	PIGTAIL / 22-18 TAP	18-14 AWG	600	.110” / .145”
951	RED	TAP / .250” MALE	22-18 AWG	600	.150”
952	BLUE	TAP / .250” MALE	18-14 AWG	600	.150”
953	YELLOW	TAP / .250” MALE	12 AWG	600	.150”

HEAT SHRINKABLE TERMINALS

*All high-temperature rings and butts have butted seams

HEAT SHRINKABLE RING TERMINALS

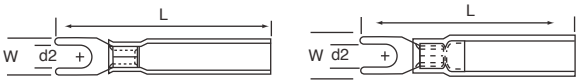


Maximum Electrical Rating: 600 Volts
Shrink Temperature: 150°C
Resistent Temperature: -10°C ~ + 105°C

Insulation Material: High Density PE
Terminal Material: Copper

WIRE RANGE		DIMENSIONS			BRAZED SEAM	LENGTH (L)		EXTRA COPPER SLEEVE ON BARREL		
		STUD	WIDTH (W)					DOUBLE CRIMP	LENGTH (L)	
AWG	mm^2	d2	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
22-16	0.5-1.5	#6	0.217	5.5	**HS2216-M3**	0.984	25	**HSD2216-M3**	1.021	30.5
22-16	0.5-1.5	#8	0.315	8	**HS2216-M4**	1.122	28.5	**HSD2216-M4**	1.291	32.8
22-16	0.5-1.5	#10	0.315	8	**HS2216-5**	1.122	28.5	**HSD2216-5**	1.291	32.8
22-16	0.5-1.5	1/4”	0.457	11.6	**HS2216-6**	1.358	34.5	**HSD2216-6**	1.496	38
22-16	0.5-1.5	5/16”	0.457	11.6	**HS2216-8**	1.358	34.5	**HSD2216-8**	1.496	38
22-16	0.5-1.5	3/8”	0.535	13.6	**HS2216-9**	1.476	37.5	**HSD2216-9**	1.638	41.6
16-14	1.5-2.5	#6	0.26	6.6	**HS1614-M3**	1.043	26.5	**HSD1614-M3**	1.22	31
16-14	1.5-2.5	#8	0.335	8.5	**HS1614-M4**	1.201	30.5	**HSD1614-M4**	1.291	32.8
16-14	1.5-2.5	#10	0.374	9.5	**HS1614-M5**	1.398	35.5	**HSD1614-M5**	1.252	31.8
16-14	1.5-2.5	1/4”	0.472	12	**HS1614-6**	1.476	37.5	**HSD1614-6**	1.476	37.5
16-14	1.5-2.5	5/16”	0.472	12	**HS1614-8**	1.476	37.5	**HSD1614-8**	1.417	36
16-14	1.5-2.5	3/8”	0.535	13.6	**HS1614-9**	1.346	34.2	**HSD1614-9**	1.583	40.2
12-10	4-6	#6	0.374	9.5	**HS1210-4**	1.346	34.2	**HSD1210-4**	1.449	36.8
12-10	4-6	#8	0.374	9.5	**HS1210-5**	1.339	34	**HSD1210-5**	1.449	36.8
12-10	4-6	#10	0.472	12	**HS1210-6**	1.476	37.5	**HSD1210-6**	1.551	39.4
12-10	4-6	1/4”	0.591	15	**HS1210-8**	1.654	42	**HSD1210-8**	1.732	44
12-10	4-6	5/16”	0.591	15	**HS1210-9**	1.654	42	**HSD1210-9**	1.732	44
12-10	4-6	3/8”	0.756	19.2	**HS1210-13**	1.831	46.5	**HSD1210-13**	1.937	49.2

HEAT SHRINKABLE SPADE TERMINALS



Maximum Electrical Rating: 600 Volts
Shrink Temperature: 150°C
Resistent Temperature: -10°C ~ + 105°C

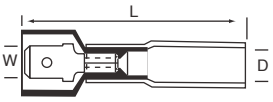
Insulation Material: High Density PE
Terminal Material: Copper

WIRE RANGE		DIMENSIONS			BRAZED SEAM	LENGTH (L)		EXTRA COPPER SLEEVE ON BARREL		
		STUD	WIDTH (W)					DOUBLE CRIMP	LENGTH (L)	
AWG	mm^2	d2	in	mm	PART NUMBER	in	mm	PART NUMBER	in	mm
22-16	0.5-1.5	#6	0.252	6.4	**HS2216-S3A**	1.154	29.3	**HSD2216-S3A**	1.299	33
22-16	0.5-1.5	#8	0.283	7.2	**HS2216-S4A**	1.165	29.3	**HSD2216-S4A**	1.299	33
22-16	0.5-1.5	#10	0.374	9.5	**HS2216-5A**	1.181	30	**HSD2216-5A**	1.339	34
16-14	1.5-2.5	#6	0.236	6	**HS1614-S3A**	1.122	28.5	**HSD1614-S3A**	1.319	33.5
16-14	1.5-2.5	#8	0.283	7.2	**HS1614-S4A**	1.161	29.5	**HSD1614-S4A**	1.319	33.5
16-14	1.5-2.5	#10	0.366	9.3	**HS1614-5A**	1.201	30.5	**HSD1614-5A**	1.307	33.2
12-10	4-6	#6	0.354	9	**HS1210-S3A**	1.319	33.5	**HSD1210-S3A**	1.496	38
12-10	4-6	#8	0.354	9	**HS1210-S4A**	1.319	33.5	**HSD1210-S4A**	1.496	38
12-10	4-6	#10	0.472	12	**HS1210-5A**	1.614	41	**HSD1210-5A**	1.752	44.5

HEAT SHRINKABLE DISCONNECTS / CONNECTORS

*All high-temperature rings and butts have butted seams

HEAT SHRINKABLE MALE DISCONNECTS

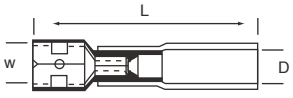


Maximum Electrical Rating: 600 Volts
Shrink Temperature: 150°C
Resistent Temperature: -10°C ~ + 105°C

Insulation Material: Nylon & High Density PE
Terminal Material: Brass

WIRE RANGE		NEMA TAB		DIMENSIONS				NYLON INSULATED		
				WIDTH (W)		DIAMETER (D)		PART NUMBER	LENGTH (L)	
AWG	mm^2	in	mm	in	mm	in	mm		in	mm
22-16	0.5-1.5	.032 x .250	0.8 x 6.35	0.25	6.35	0.256	6.5	**HSLNDM2216T250**	1.516	38.5
16-14	1.5-2.5	.032 x .250	0.8 x 6.35	0.25	6.35	0.256	6.5	**HSLNDM1614T250**	1.555	39.5
12-10	4-6	.032 x .250	0.8 x 6.35	0.25	6.35	0.256	7.5	**HSLNDM1210T250**	1.555	39.5

HEAT SHRINKABLE FEMALE DISCONNECTS

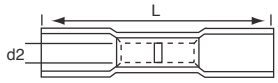


Maximum Electrical Rating: 600 Volts
Shrink Temperature: 150°C
Resistent Temperature: -10°C ~ + 105°C

Insulation Material: Nylon & High Density PE
Terminal Material: Brass

WIRE RANGE		NEMA TAB		DIMENSIONS				NYLON INSULATED		
				WIDTH (W)		DIAMETER (D)		PART NUMBER	LENGTH (L)	
AWG	mm^2	in	mm	in	mm	in	mm		in	mm
22-16	0.5-1.5	.032 x .250	0.8 x 6.35	0.26	6.6	0.256	6.5	**HSLNDF2216T250**	1.437	36.5
16-14	1.5-2.5	.032 x .250	0.8 x 6.35	0.26	6.6	0.256	6.5	**HSLNDF1614T250**	1.437	36.5
12-10	4-6	.032 x .250	0.8 x 6.35	0.26	6.6	0.256	7.5	**HSLNDF1210T250**	1.437	36.5

WATERPROOF BUTT SPLICE CONNECTORS - HEAT SHRINK WITH TUBE SEALANT

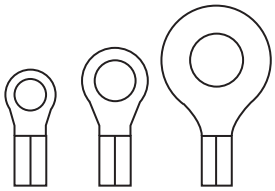


Maximum Electrical Rating: 600 Volts
Shrink Temperature: 150°C
Resistent Temperature: -10°C ~ + 105°C

Insulation Material: High Density PE
Terminal Material: Copper Tubular

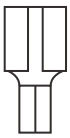
WIRE RANGE		DIMENSIONS		COPPER TUBE		
		STUD SIZE (d2)		PART NUMBER	LENGTH (L)	
AWG	mm^2	in	mm		in	mm
22-16	0.5-1.5	0.067	1.7	**SB-2216**	1.417	36
16-14	1.5-2.5	0.091	2.3	**SB-1614**	1.417	36
12-10	4-6	0.134	3.4	**SB-1210**	1.614	41

HIGH TEMPERATURE TERMINALS



A1 A2 A3

B



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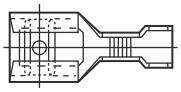


E

PART NUMBER	TYPE	FIGURE	WIRE RANGE	STUD SIZE
WS2216-3HT	RING	A1	22-16 AWG	#6
WS2216-4HT	RING	A2	22-16 AWG	#8
WS2216-5HT	RING	A2	22-16 AWG	#10
WS2216-6HT	RING	A3	22-16 AWG	1/4”
WSC2216HT	BUTT	B	22-16 AWG	-
DF2216T250HT	FEMALE	C	22-16 AWG	.250
DF2216-1THT	FLAG	D	22-16 AWG	.250
LTO61N250HT*	FEMALE	E	16-14 AWG	.250
WS1614-3HT	RING	A1	16-14 AWG	#6
WS1614-4HT	RING	A2	16-14 AWG	#8
WS1614-5HT	RING	A2	16-14 AWG	#10
WS1614-6HT	RING	A3	16-14 AWG	1/4”
WSC1614HT	BUTT	B	16-14 AWG	-
DF1614T250HT	FEMALE	C	16-14 AWG	.250
DF1614-1THT	FLAG	D	16-14 AWG	.250
WS1210-3HT	RING	A1	12-10 AWG	#6
WS1210-5HT	RING	A2	12-10 AWG	#10
WS1210-6HT	RING	A3	12-10 AWG	1/4”
WSC1210HT	BUTT	B	12-10 AWG	-
DF1210T250HT	FEMALE	C	12-10 AWG	.250
LTO81N250N*	FEMALE	E	12-10 AWG	.250

*Open Barrel Female
**All high-temperature rings and butts have butted seams
Steel/nickel plated. Operating Temperature: 900°F

BATTERY MODULE CONNECTORS

Developed to provide a quick, safe, and reliable way to connect boosting and charging systems. Available in 1, 2, 4, and 6 pole configurations. Housing made from durable polycarbonate and is impact resistant to reduce breakage and provide extended use. Contacts are made from copper with either silver or tin plating for long service life.
Flammability rating of all housing material: UL94V-0

HOUSING EXAMPLE:

BMC 1 S - RED

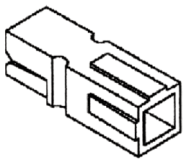
- BMC: Battery Module Connectors
- Pole Number: **1** - One Pole Housing; **2** - Two Pole Housing
- Housing Size: **S** - Small Housing; **M** - Medium Housing; **L** - Large Housing
- Colour: **FG** - Female Ground; **MG** - Male Ground

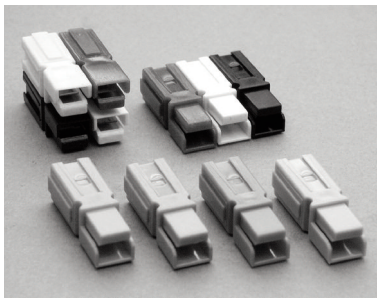
CONTACTS EXAMPLE:

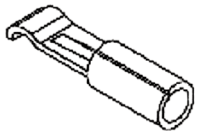
BMC 3 ST

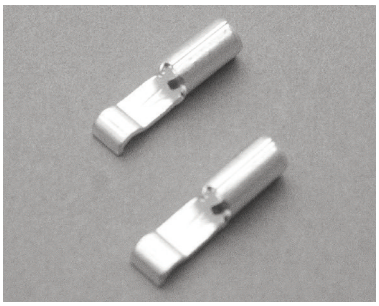
- BMC: Battery Module Connectors
- Contact Type: **AG** - Copper / Silver Plated; **ST** - Copper / Tin Plated (Reel Type)
- Wire Range: **1** - 20-16 AWG; **2** - 16-12 AWG; **3** - 14-10 AWG; **5** - 12-10 AWG; **8** - 8 AWG; **14** - 6 AWG; **22** - 4 AWG; **38** - 2 AWG; **60** - 1/0 AWG; **70** - 2/0 AWG; **80** - 3/0 AWG; **100** - 4/0 AWG; **150** - 250/300 MCM

10-45 Amp Series









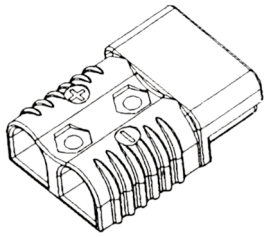
HOUSINGS	CONTACTS	SIZE (AWG)	CURRENT	VOLTAGE	MAX. WIRE INSULATION DIAMETER (mm)	CONTACT RETENTION FORCE (LBS)	AVG CONNECT/ DISCONNECT (LBS)	OPERATING TEMP. (ºC)
BMC1S-YELLOW BMC1S-ORANGE BMC1S-RED BMC1S-GREY	BMC1AG	20-16	15A	600V	4.4	25	3	-20ºC TO 125ºC
BMC1S-BLUE BMC1S-GREEN BMC1S-BLACK BMC1S-BROWN	BMC2AG	16-12	30A	600V	4.4	25	3	-20ºC TO 125ºC
BMC1S-PURPLE BMC1S-PINK BMC1S-WHITE	BMC3ST	14-10	45A	600V	4.4	25	3	-20ºC TO 125ºC

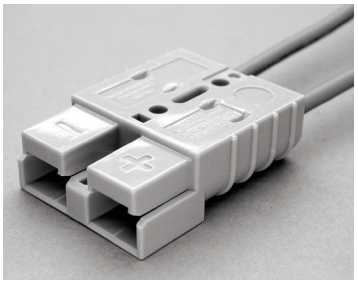
BATTERY MODULE CONNECTORS

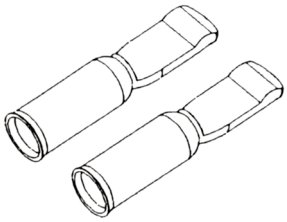
75 Amp Series

HOUSINGS	CONTACTS	SIZE (AWG)	CURRENT	VOLTAGE	MAX. WIRE INSULATION DIAMETER (mm)	CONTACT RETENTION FORCE (LBS)	AVG CONNECT/ DISCONNECT (LBS)	OPERATING TEMP. (ºC)
BMC1M-RED BMC1M-BLUE BMC1M-WHITE BMC1M-GREEN BMC1M-BLACK	BMC5AG	12-10	50A	600V	11	50	7	-20ºC TO 125ºC
	BMC8AG	8	60A	600V	11	50	7	-20ºC TO 125ºC
	BMC14AG	6	75A	600V	11	50	7	-20ºC TO 125ºC

50-350 Amp Series





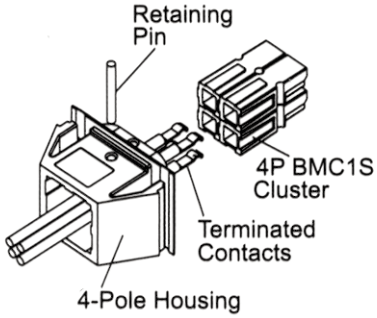


AMP SERIES	HOUSINGS	CONTACTS	SIZE (AWG)	CURRENT	VOLTAGE	MAX. WIRE INSULATION DIAMETER (mm)	CONTACT RETENTION FORCE (LBS)	AVG CONNECT/ DISCONNECT (LBS)	OPERATING TEMP. (ºC)
50 AMP	BMC2S-RED BMC2S-BLACK BMC2S-BLUE BMC2S-GREY	BMC5AG	12-10	35A	600V	11	50	15	-20ºC TO 125ºC
		BMC8AG	8	45A	600V	11	50	15	-20ºC TO 125ºC
		BMC14AG	6	50A	600V	11	50	15	-20ºC TO 125ºC
175 AMP	BMC2M-RED BMC2M-BLUE BMC2M-YELLOW BMC2M-GREY BMC2M-ORANGE	BMC22AG	4	125A	600V	19	300	25	-20ºC TO 125ºC
		BMC38AG	2	150A	600V	19	300	25	-20ºC TO 125ºC
		BMC60AG	1/0	175A	600V	19	300	25	-20ºC TO 125ºC
350 AMP	BMC2L-RED BMC2L-BLUE BMC2L-YELLOW BMC2L-GREY BMC2L-ORANGE	BMC70AG	2/0	250A	600V	28	500	30	-20ºC TO 125ºC
		BMC80AG	3/0	275A	600V	28	500	30	-20ºC TO 125ºC
		BMC100AG	4/0	300A	600V	28	500	30	-20ºC TO 125ºC
		BMC150AG	250/300 MCM	350A	600V	28	500	30	-20ºC TO 125ºC

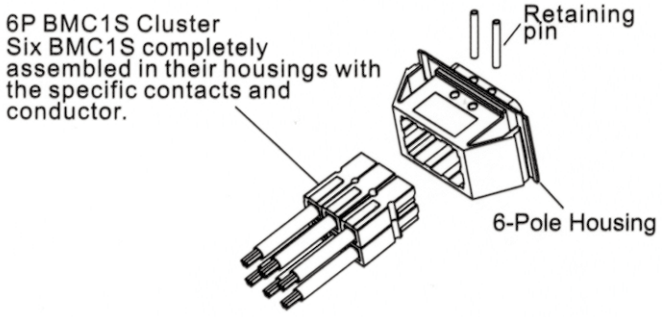
BATTERY MODULE CONNECTORS

Powerpole Pak - Multiple Pole Housing Sets

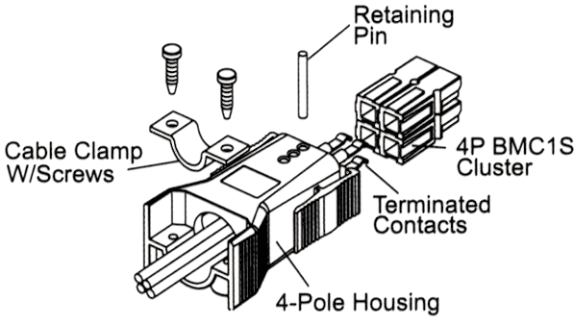
4BMCS-SET-L



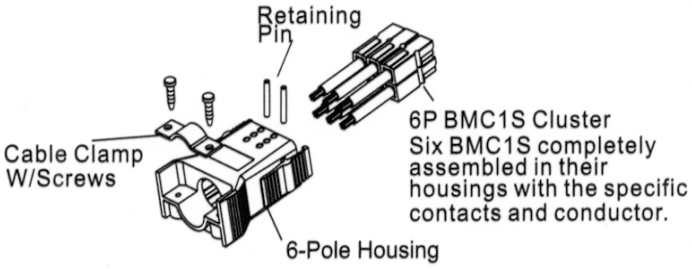
6BMCS-SET-L



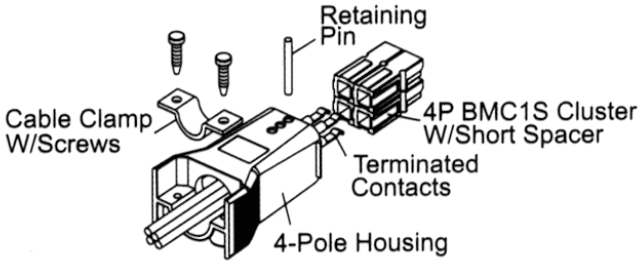
4BMCS-SET-R



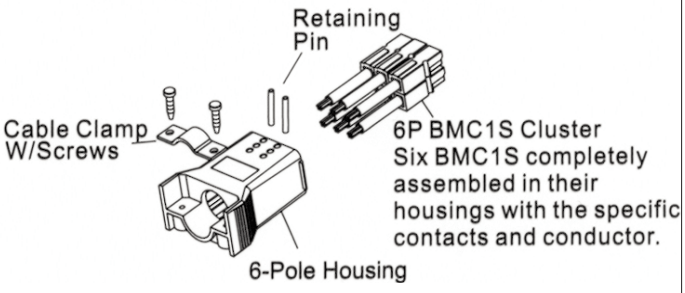
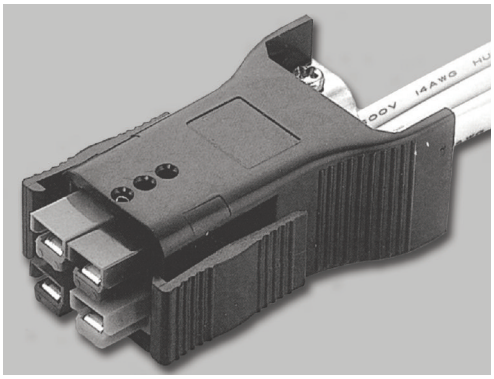
6BMCS-SET-R



4BMCS-SET-RW



6BMCS-SET-RW



2X2 4-POLE HOUSING		
PART NUMBER	**TYPE**	**AMPS**
4BMCS-SET-L	Snap-In Receptacle	10-45A
4BMCS-SET-R	Plug w/ Latch	10-45A
4BMCS-SET-RW	Plug w/o Latch	10-45A
2X3 6-POLE HOUSING		
PART NUMBER	**TYPE**	**AMPS**
6BMCS-SET-L	Snap-In Receptacle	10-45A
6BMCS-SET-R	Plug w/ Latch	10-45A
6BMCS-SET-RW	Plug w/o Latch	10-45A