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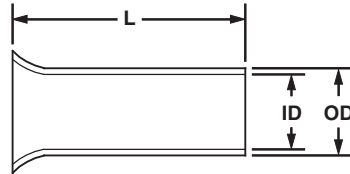
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## Ferrules, Non-Insulated

### Type F

- Designed with a seamless barrel to contain loose wire strands for superior terminations
- Eases insertion of wire into terminal block
- Meets DIN standards for wire containment
- Suitable for limited space panel applications
- Multiple pin lengths available for a variety of terminal blocks



Part Number	Wire Size		Figure Dimensions						Wire Strip Length		Recommended Installation Tool	Std. Pkg. Qty.
			L		ID		OD					
	AWG	mm <sup>2</sup>	In.	mm	In.	mm	In.	mm	In.	mm		
<b>F73-5-M</b>	24 AWG	0.25	0.20	5.0	0.03	0.80	0.04	1.1	7/32	5.0	CT-1002, CT-1003	1000
<b>F73-7-M</b>			0.28	7.0	0.03	0.80	0.04	1.1	9/32	7.0		1000
<b>F74-5-M</b>		0.34	0.20	5.0	0.04	0.90	0.05	1.2	7/32	5.0		1000
<b>F74-7-M</b>			0.28	7.0	0.04	0.90	0.05	1.2	9/32	7.0		1000
<b>F75-6-M</b>	22 AWG	0.50	0.24	6.0	0.04	1.0	0.05	1.3	1/4	6.0	CT-1002, CT-1003, CT-1123	1000
<b>F75-8-M</b>			0.31	8.0	0.04	1.0	0.05	1.3	5/16	8.0		1000
<b>F75-10-M</b>	20 AWG	0.75	0.39	10.0	0.04	1.0	0.05	1.3	13/32	10.0	CT-1002, CT-1003, CT-1123	1000
<b>F76-6-M</b>			0.24	6.0	0.05	1.2	0.06	1.5	1/4	6.0		1000
<b>F76-8-M</b>			0.31	8.0	0.05	1.2	0.06	1.5	5/16	8.0		1000
<b>F76-10-M</b>			0.39	10.0	0.05	1.2	0.06	1.5	13/32	10.0		1000
<b>F76-12-M</b>	18 AWG	1.0	0.47	12.0	0.05	1.2	0.06	1.5	15/32	12.0	CT-1002, CT-1003, CT-1123	1000
<b>F77-6-M</b>			0.24	6.0	0.06	1.4	0.07	1.7	1/4	6.0		1000
<b>F77-7-M</b>			0.28	7.0	0.06	1.4	0.07	1.7	9/32	7.0		1000
<b>F77-8-M</b>			0.31	8.0	0.06	1.4	0.07	1.7	5/16	8.0		1000
<b>F77-10-M</b>	16 AWG	1.5	0.39	10.0	0.06	1.4	0.07	1.7	13/32	10.0	CT-1002, CT-1003, CT-1123	1000
<b>F77-12-M</b>			0.47	12.0	0.06	1.4	0.07	1.7	15/32	12.0		1000
<b>F78-7-M</b>			0.28	7.0	0.07	1.7	0.08	2.0	9/32	7.0		1000
<b>F78-8-M</b>			0.31	8.0	0.07	1.7	0.08	2.0	5/16	8.0		1000
<b>F78-10-M</b>	1.5	0.39	10.0	0.07	1.7	0.08	2.0	13/32	10.0	CT-1002, CT-1003, CT-1123	1000	
<b>F78-12-M</b>		0.47	12.0	0.07	1.7	0.08	2.0	15/32	12.0		1000	
<b>F78-15-M</b>		0.59	15.0	0.07	1.7	0.08	2.0	19/32	15.0		1000	
<b>F78-18-M</b>	1.5	0.71	18.0	0.07	1.7	0.08	2.0	23/32	18.0	CT-1002, CT-1003, CT-1123	1000	
<b>F78-20-M</b>		0.79	20.0	0.07	1.7	0.08	2.0	25/32	20.0		1000	

For crimping tool information, see page D1.85.

## Ferrules, Non-Insulated (continued)

### Type F

Part Number	Wire Size		Figure Dimensions						Wire Strip Length		Recommended Installation Tool	Std. Pkg. Qty.
			L		ID		OD					
	In.	mm	In.	mm	In.	mm	In.	mm				
F80-7-M	14 AWG	2.5	0.28	7.0	0.09	2.2	0.10	2.5	9/32	7.0	CT-1002, CT-1003, CT-1123	1000
F80-8-M			0.31	8.0	0.09	2.2	0.10	2.5	5/16	8.0		1000
F80-10-M			0.39	10.0	0.09	2.2	0.10	2.5	13/32	10.0		1000
F80-12-M			0.47	12.0	0.09	2.2	0.10	2.5	15/32	12.0		1000
F80-15-M			0.59	15.0	0.09	2.2	0.10	2.5	19/32	15.0		1000
F80-18-M			0.71	18.0	0.09	2.2	0.10	2.5	23/32	18.0		1000
F80-20-M			0.79	20.0	0.09	2.2	0.10	2.5	25/32	20.0		1000
F81-9-M			12 AWG	4.0	0.35	9.0	0.11	2.8	0.13	3.2		11/32
F81-10-M	0.39	10.0			0.11	2.8	0.13	3.2	13/32	10.0	1000	
F81-12-M	0.47	12.0			0.11	2.8	0.13	3.2	15/32	12.0	1000	
F81-15-M	0.59	15.0			0.11	2.8	0.13	3.2	19/32	15.0	1000	
F81-18-M	0.71	18.0			0.11	2.8	0.13	3.2	23/32	18.0	1000	
F81-20-M	0.79	20.0			0.11	2.8	0.13	3.2	25/32	20.0	1000	
F82-10-M	10 AWG	6.0	0.39	10.0	0.14	3.5	0.15	3.9	13/32	10.0	CT-1002, CT-1003, CT-1123	1000
F82-12-M			0.47	12.0	0.14	3.5	0.15	3.9	15/32	12.0		1000
F82-15-M			0.59	15.0	0.14	3.5	0.15	3.9	19/32	15.0		1000
F82-18-M			0.71	18.0	0.14	3.5	0.15	3.9	23/32	18.0		1000
F82-20-M			0.79	20.0	0.14	3.5	0.15	3.9	25/32	20.0		1000
F83-12-D	8 AWG	10.0	0.47	12.0	0.18	4.5	0.19	4.9	15/32	12.0	CT-1003, CT-1004, CT-1123	500
F83-15-D			0.59	15.0	0.18	4.5	0.19	4.9	19/32	15.0		500
F83-18-D			0.71	18.0	0.18	4.5	0.19	4.9	23/32	18.0		500
F83-20-D			0.79	20.0	0.18	4.5	0.19	4.9	25/32	20.0		500
F83-25-D			0.98	25.0	0.18	4.5	0.19	4.9	31/32	25.0		500
F84-12-TL	6 AWG	16.0	0.47	12.0	0.23	5.8	0.24	6.2	15/32	12.0	CT-1004	250
F84-15-TL			0.59	15.0	0.23	5.8	0.24	6.2	19/32	15.0		250
F84-18-TL			0.71	18.0	0.23	5.8	0.24	6.2	23/32	18.0		250
F84-20-TL			0.79	20.0	0.23	5.8	0.24	6.2	25/32	20.0		250
F84-25-TL			0.98	25.0	0.23	5.8	0.24	6.2	31/32	25.0		250
F84-32-TL			1.26	32.0	0.23	5.8	0.24	6.2	1 1/4	32.0		250
F85-12-C			4 AWG	25.0	0.47	12.0	0.29	7.3	0.30	7.7		15/32
F85-15-C	0.59	15.0			0.29	7.3	0.30	7.7	19/32	15.0	100	
F85-18-C	0.71	18.0			0.29	7.3	0.30	7.7	23/32	18.0	100	
F85-25-C	0.98	25.0			0.29	7.3	0.30	7.7	31/32	25.0	100	
F85-32-C	1.26	32.0			0.29	7.3	0.30	7.7	1 1/4	32.0	100	
F86-18-C	0.71	18.0			0.33	8.3	0.34	8.7	23/32	18.0	100	
F86-20-C	2 AWG	35.0	0.79	20.0	0.33	8.3	0.34	8.7	25/32	20.0	CT-1006	100
F86-25-C			0.98	25.0	0.33	8.3	0.34	8.7	31/32	25.0		100
F86-32-C			1.26	32.0	0.33	8.3	0.34	8.7	1 1/4	32.0		100
F87-18-C	1 AWG	50.0	0.71	18.0	0.41	10.3	0.43	10.9	23/32	18.0	CT-1006	100
F87-22-C			0.87	22.0	0.41	10.3	0.43	10.9	7/8	22.0		100
F87-25-C			0.98	25.0	0.41	10.3	0.43	10.9	31/32	25.0		100
F87-32-C			1.26	32.0	0.41	10.3	0.43	10.9	1 1/4	32.0		100

For crimping tool information, see page D1.85.

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