

A. System Overview



## Insulated Ferrules – Single Wire French End Sleeve

### Type FSF

B1. Cable Ties

- Polypropylene insulation housing conforms to French color requirements
- Meets DIN standards for single wire containment
- Funnel entry for faster insertion and lower installed cost

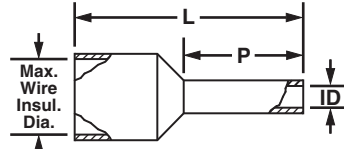
- Eases insertion of wire into terminal block
- Suitable for limited space panel applications
- Multiple pin lengths available for a variety of terminal blocks

B2. Cable Accessories

- Designed with a seamless barrel to contain loose wire strands for superior terminations



B3. Stainless Steel Ties



C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Part Number	Wire Size		Color	Maximum Wire Insulation		Figure Dimensions						Wire Strip Length		Recommended Installation Tool	Std. Pkg. Qty.
	AWG	mm <sup>2</sup>		In.	mm	L		P		ID		In.	mm		
<b>FSF72-6-D</b>	26 AWG	0.14	Brown	0.07	1.7	0.41	10.5	0.24	6.0	0.03	0.8	3/8	9.5	CT-1002, CT-1123	500
<b>FSF72-8-D</b>				0.07	1.7	0.49	12.5	0.31	8.0	0.03	0.8	15/32	11.9		500
<b>FSF73-6-D</b>	24 AWG	0.25	Violet	0.07	1.7	0.41	10.5	0.24	6.0	0.03	0.8	3/8	9.5	CT-1002, CT-1123	500
<b>FSF73-8-D</b>				0.07	1.7	0.49	12.5	0.31	8.0	0.03	0.8	15/32	11.9		500
<b>FSF74-6-D</b>	24 AWG	0.34	Pink	0.07	1.7	0.41	10.5	0.24	6.0	0.03	0.8	3/8	9.5	CT-1002, CT-1123	500
<b>FSF74-8-D</b>				0.07	1.7	0.49	12.5	0.31	8.0	0.03	0.8	15/32	11.9		500
<b>FSF75-6-D</b>	22 AWG	0.50	White	0.09	2.2	0.45	11.5	0.24	6.0	0.04	1.1	3/8	9.5	CT-1002, CT-1123	500
<b>FSF75-8-D</b>				0.09	2.2	0.53	13.5	0.31	8.0	0.04	1.1	15/32	11.9		500
<b>FSF75-10-D</b>	20 AWG	0.75	Blue	0.09	2.2	0.61	15.5	0.39	10.0	0.04	1.1	17/32	13.5	CT-1002, CT-1123	500
<b>FSF76-6-D</b>				0.09	2.4	0.47	12.0	0.24	6.0	0.05	1.3	3/8	9.5		500
<b>FSF76-8-D</b>	20 AWG	0.75	Blue	0.09	2.4	0.55	14.0	0.31	8.0	0.05	1.3	15/32	11.9	CT-1002, CT-1123	500
<b>FSF76-10-D</b>				0.09	2.4	0.63	16.0	0.39	10.0	0.05	1.3	17/32	13.5		500
<b>FSF76-12-D</b>	18 AWG	1.0	Red	0.09	2.4	0.71	18.0	0.47	12.0	0.05	1.3	5/8	15.9	CT-1002, CT-1003, CT-1123	500
<b>FSF77-6-D</b>				0.11	2.7	0.49	12.5	0.24	6.0	0.06	1.5	3/8	9.5		500
<b>FSF77-10-D</b>	18 AWG	1.0	Red	0.11	2.7	0.57	14.5	0.31	8.0	0.06	1.5	15/32	11.9	CT-1002, CT-1003, CT-1123	500
<b>FSF77-12-D</b>				0.11	2.7	0.65	16.5	0.39	10.0	0.06	1.5	17/32	13.5		500
<b>FSF78-6-D</b>	16 AWG	1.5	Black	0.12	3.0	0.49	12.5	0.24	6.0	0.07	1.8	3/8	9.5	CT-1002, CT-1003, CT-1123	500
<b>FSF78-8-D</b>				0.12	3.0	0.57	14.5	0.31	8.0	0.07	1.8	15/32	11.9		500
<b>FSF78-10-D</b>	16 AWG	1.5	Black	0.12	3.0	0.65	16.5	0.39	10.0	0.07	1.8	17/32	13.5	CT-1002, CT-1003, CT-1123	500
<b>FSF78-12-D</b>				0.12	3.0	0.73	18.5	0.47	12.0	0.07	1.8	5/8	15.9		500
<b>FSF78-18-D</b>	14 AWG	2.1	Yellow	0.12	3.0	0.96	24.5	0.71	18.0	0.07	1.8	7/8	22.2	CT-1002, CT-1003, CT-1123	500
<b>FSF79-8-D</b>				0.13	3.2	0.57	14.5	0.31	8.0	0.08	2.1	15/32	11.9		500
<b>FSF80-8-D</b>	14 AWG	2.5	Gray	0.15	3.7	0.59	15.0	0.31	8.0	0.09	2.3	15/32	11.9	CT-1002, CT-1003, CT-1123	500
<b>FSF80-12-D</b>				0.15	3.7	0.75	19.0	0.47	12.0	0.09	2.3	5/8	15.9		500
<b>FSF80-18-D</b>	12 AWG	4.0	Orange	0.15	3.7	0.98	25.0	0.71	18.0	0.09	2.3	7/8	22.2	CT-1002, CT-1003, CT-1123	500
<b>FSF81-10-D</b>				0.17	4.3	0.69	17.5	0.39	10.0	0.11	2.9	17/32	13.5		500
<b>FSF81-12-C</b>	12 AWG	4.0	Orange	0.17	4.3	0.79	20.0	0.47	12.0	0.11	2.9	5/8	15.9	CT-1002, CT-1003, CT-1123	100
<b>FSF81-18-C</b>				0.17	4.3	1.02	26.0	0.71	18.0	0.11	2.9	7/8	22.2		100
<b>FSF82-12-C</b>	10 AWG	6.0	Green	0.22	5.5	0.79	20.0	0.47	12.0	0.14	3.6	5/8	15.9	CT-1002, CT-1003, CT-1123	100
<b>FSF82-18-C</b>				0.22	5.5	1.02	26.0	0.71	18.0	0.14	3.6	7/8	22.2		100
<b>FSF83-12-C</b>	8 AWG	10.0	Brown	0.27	6.8	0.83	21.0	0.47	12.0	0.18	4.6	5/8	15.9	CT-1003, CT-1004, CT-1123, CT-1104	100
<b>FSF83-18-C</b>				0.27	6.8	1.06	27.0	0.71	18.0	0.18	4.6	7/8	22.2		100
<b>FSF84-12-C</b>	6 AWG	16.0	White	0.35	8.8	0.91	23.0	0.47	12.0	0.24	6.0	5/8	15.9	CT-1004, CT-1104	100
<b>FSF84-18-C</b>				0.35	8.8	1.14	29.0	0.71	18.0	0.24	6.0	7/8	22.2		100
<b>FSF85-16-L</b>	4 AWG	25.0	Black	0.41	10.3	1.14	29.0	0.63	16.0	0.30	7.5	3/4	19.1	CT-1005	50
<b>FSF85-18-L</b>				0.41	10.3	1.22	31.0	0.71	18.0	0.30	7.5	7/8	22.2		50
<b>FSF85-22-L</b>	2 AWG	35.0	Red	0.41	10.3	1.38	35.0	0.87	22.0	0.30	7.5	1	25.4	CT-1005	50
<b>FSF86-16-L</b>				0.45	11.5	1.18	30.0	0.63	16.0	0.33	8.5	3/4	19.1		50
<b>FSF86-18-L</b>	2 AWG	35.0	Red	0.45	11.5	1.26	32.0	0.71	18.0	0.33	8.5	7/8	22.2	CT-1005	50
<b>FSF86-25-L</b>				0.45	11.5	1.54	39.0	0.98	25.0	0.33	8.5	1 1/8	28.6		50
<b>FSF87-20-L</b>	1 AWG	50.0	Blue	0.54	13.7	1.42	36.0	0.79	20.0	0.41	10.5	15/16	23.8	CT-1006	50
<b>FSF87-25-Q</b>				0.54	13.7	1.61	41.0	0.98	25.0	0.41	10.5	1 1/8	28.6		25

For crimping tool information, see page D1.85.

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