

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

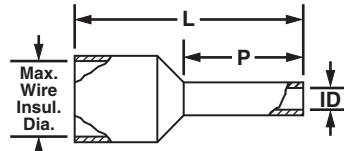
- Eases insertion of wire into terminal block
- Suitable for limited space panel applications
- Multiple pin lengths available for a variety of terminal blocks

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