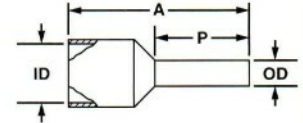
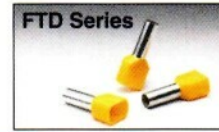




# Ferrule End Sleeves

## Insulated Ferrules – Single Wire End Sleeve



Wire Size		DIN		French		Dimensions Inches (mm)				Std. Pkg. Qty.*	Wire Strip Length		Tooling
AWG	mm <sup>2</sup>	PANDUIT® Part No.	Color	PANDUIT Part No.	Color	A	P	ID	OD		In.	mm	
26	0.14	FSD72-6-D	GREY	FSF72-6-D	BROWN	0.41 (10.5)	0.24 (6.0)	0.08 (2.0)	0.05 (1.3)	500	3/8	9.5	CT-1002
		FSD72-8-D		FSF72-8-D		0.49 (12.5)	0.31 (8.0)	0.08 (2.0)	0.05 (1.3)		15/32	11.9	
24	0.25	FSD73-6-D	YELLOW	FSF73-6-D	VIOLET	0.41 (10.5)	0.24 (6.0)	0.08 (2.0)	0.05 (1.3)	500	3/8	9.5	
		FSD73-8-D		FSF73-8-D		0.49 (12.5)	0.31 (8.0)	0.08 (2.0)	0.05 (1.3)		15/32	11.9	
24	0.34	FSD74-6-D	TURQUOISE	FSF74-6-D	PINK	0.41 (10.5)	0.24 (6.0)	0.08 (2.0)	0.05 (1.3)	500	3/8	9.5	CT-1002, CT-1003
		FSD74-8-D		FSF74-8-D		0.49 (12.5)	0.31 (8.0)	0.08 (2.0)	0.05 (1.3)		15/32	11.9	
22	0.50	FSD75-6-D	WHITE	FSF75-6-D	WHITE	0.45 (11.5)	0.24 (6.0)	0.10 (2.5)	0.06 (1.4)	500	3/8	9.5	
		FSD75-8-D		FSF75-8-D		0.53 (13.5)	0.31 (8.0)	0.10 (2.5)	0.06 (1.4)		15/32	11.9	
		FSD75-10-D		FSF75-10-D		0.61 (15.5)	0.39 (10.0)	0.10 (2.5)	0.06 (1.4)		17/32	13.5	
20	0.75	FSD76-6-D	GREY	FSF76-6-D	BLUE	0.47 (12.0)	0.24 (6.0)	0.11 (2.8)	0.06 (1.6)	500	3/8	9.5	CT-1002, CT-1003
		FSD76-8-D		FSF76-8-D		0.55 (14.0)	0.31 (8.0)	0.11 (2.8)	0.06 (1.6)		15/32	11.9	
		FSD76-10-D		FSF76-10-D		0.63 (16.0)	0.39 (10.0)	0.11 (2.8)	0.06 (1.6)		17/32	13.5	
		FSD76-12-D		FSF76-12-D		0.71 (18.0)	0.47 (12.0)	0.11 (2.8)	0.06 (1.6)		5/8	15.9	
18	1	FSD77-6-D	RED	FSF77-6-D	RED	0.49 (12.5)	0.24 (6.0)	0.12 (3.0)	0.07 (1.8)	500	3/8	9.5	CT-1002, CT-1003
		FSD77-8-D		FSF77-8-D		0.57 (14.5)	0.31 (8.0)	0.12 (3.0)	0.07 (1.8)		15/32	11.9	
		FSD77-10-D		FSF77-10-D		0.65 (16.5)	0.39 (10.0)	0.12 (3.0)	0.07 (1.8)		17/32	13.5	
		FSD77-12-D		FSF77-12-D		0.73 (18.5)	0.47 (12.0)	0.12 (3.0)	0.07 (1.8)		5/8	15.9	
16	1.5	FSD78-6-D	BLACK	FSF78-6-D	BLACK	0.49 (12.5)	0.24 (6.0)	0.13 (3.4)	0.08 (2.1)	500	3/8	9.5	CT-1002, CT-1003
		FSD78-8-D		FSF78-8-D		0.57 (14.5)	0.31 (8.0)	0.13 (3.4)	0.08 (2.1)		15/32	11.9	
		FSD78-10-D		FSF78-10-D		0.65 (16.5)	0.39 (10.0)	0.13 (3.4)	0.08 (2.1)		17/32	13.5	
		FSD78-12-D		FSF78-12-D		0.73 (18.5)	0.47 (12.0)	0.13 (3.4)	0.08 (2.1)		5/8	15.9	
14	2.08	FSD79-8-D	YELLOW	FSF79-8-D	YELLOW	0.57 (14.5)	0.31 (8.0)	0.14 (3.6)	0.09 (2.4)	500	15/32	11.9	CT-1002, CT-1003
		FSD80-8-D		FSF80-8-D		0.59 (15.0)	0.31 (8.0)	0.17 (4.2)	0.10 (2.6)		15/32	11.9	
		FSD80-12-D		FSF80-12-D		0.75 (19.0)	0.47 (12.0)	0.17 (4.2)	0.10 (2.6)		5/8	15.9	
		FSD80-18-D		FSF80-18-D		0.98 (25.0)	0.71 (18.0)	0.17 (4.2)	0.10 (2.6)		7/8	22.2	
12	4	FSD81-10-D	GREY	FSF81-10-D	ORANGE	0.69 (17.5)	0.39 (10.0)	0.19 (4.8)	0.13 (3.3)	500	17/32	13.5	CT-1002, CT-1003
		FSD81-12-D		FSF81-12-C		0.79 (20.0)	0.47 (12.0)	0.19 (4.8)	0.13 (3.3)		5/8	15.9	
		FSD81-18-C		FSF81-18-C		1.02 (26.0)	0.71 (18.0)	0.19 (4.8)	0.13 (3.3)		7/8	22.2	
10	6	FSD82-12-C	YELLOW	FSF82-12-C	GREEN	0.79 (20.0)	0.47 (12.0)	0.24 (6.2)	0.16 (4.0)	100	5/8	15.9	CT-1002, CT-1003
		FSD82-18-C		FSF82-18-C		1.02 (26.0)	0.71 (18.0)	0.24 (6.2)	0.16 (4.0)		7/8	22.2	
8	10	FSD83-12-C	RED	FSF83-12-C	BROWN	0.83 (21.0)	0.47 (12.0)	0.30 (7.5)	0.20 (5.0)	100	5/8	15.9	CT-1003, CT-1004
		FSD83-18-C		FSF83-18-C		1.06 (27.0)	0.71 (18.0)	0.30 (7.5)	0.20 (5.0)		7/8	22.2	
6	16	FSD84-12-C	BLUE	FSF84-12-C	WHITE	0.91 (23.0)	0.47 (12.0)	0.35 (8.8)	0.25 (6.4)	100	5/8	15.9	CT-1004
		FSD84-18-C		FSF84-18-C		1.14 (29.0)	0.71 (18.0)	0.35 (8.8)	0.25 (6.4)		7/8	22.2	
4	25	FSD85-16-L	YELLOW	FSF85-16-L	BLACK	1.14 (29.0)	0.63 (16.0)	0.43 (11.0)	0.31 (7.9)	50	3/4	19.1	CT-1005
		FSD85-18-L		FSF85-18-L		1.22 (31.0)	0.71 (18.0)	0.43 (11.0)	0.31 (7.9)		7/8	22.2	
		FSD85-22-L		FSF85-22-L		1.38 (35.0)	0.87 (22.0)	0.43 (11.0)	0.31 (7.9)		1	25.4	
2	35	FSD86-16-L	RED	FSF86-16-L	RED	1.18 (30.0)	0.63 (16.0)	0.49 (12.5)	0.35 (8.9)	50	3/4	19.1	CT-1005
		FSD86-18-L		FSF86-18-L		1.26 (32.0)	0.71 (18.0)	0.49 (12.5)	0.35 (8.9)		7/8	22.2	
		FSD86-25-L		FSF86-25-L		1.54 (39.0)	0.98 (25.0)	0.49 (12.5)	0.35 (8.9)		1 1/8	28.6	
1	50	FSD87-20-L	BLUE	FSF87-20-L	BLUE	1.42 (36.0)	0.79 (20.0)	0.59 (15.0)	0.44 (11.1)	50	15/16	23.8	CT-1006
		FSD87-25-Q		FSF87-25-Q		1.61 (41.0)	0.98 (25.0)	0.59 (15.0)	0.44 (11.1)		1 1/8	28.6	

## Insulated Ferrules – Twin Wire End Sleeve

22	0.50	FTD75-8-D	WHITE	—	—	0.59 (15.0)	0.31 (8.0)	0.06 (1.5)	0.07 (1.8)	500	7/16	11.2	CT-1002, CT-1003
20	0.75	FTD76-8-D	GREY	—	—	0.59 (15.0)	0.31 (8.0)	0.07 (1.8)	0.08 (2.1)	500	7/16	11.2	CT-1002, CT-1003
		FTD76-10-D		—	—	0.67 (17.0)	0.39 (10.0)	0.07 (1.8)	0.08 (2.1)		9/16	14.0	
18	1	FTD77-8-D	RED	—	—	0.59 (15.0)	0.31 (8.0)	0.08 (2.1)	0.09 (2.4)	500	7/16	11.2	CT-1002, CT-1003
		FTD77-10-D		—	—	0.67 (17.0)	0.39 (10.0)	0.08 (2.1)	0.09 (2.4)		9/16	14.0	
16	1.5	FTD78-8-D	BLACK	—	—	0.63 (16.0)	0.31 (8.0)	0.09 (2.3)	0.10 (2.6)	500	7/16	11.2	CT-1002, CT-1003
		FTD78-12-D		—	—	0.79 (20.0)	0.47 (12.0)	0.09 (2.3)	0.10 (2.6)		21/32	16.8	
14	2.5	FTD80-10-TL	BLUE	—	—	0.73 (18.5)	0.39 (10.0)	0.11 (2.9)	0.13 (3.3)	250	9/16	14.0	CT-1002, CT-1003
		FTD80-13-TL		—	—	0.85 (21.5)	0.51 (13.0)	0.11 (2.9)	0.13 (3.3)		23/32	18.2	
12	4	FTD81-12-C	GREY	—	—	0.91 (23.0)	0.47 (12.0)	0.15 (3.8)	0.17 (4.2)	100	21/32	16.8	CT-1002, CT-1003
10	6	FTD82-14-C	YELLOW	—	—	0.98 (25.0)	0.55 (14.0)	0.18 (4.6)	0.20 (5.0)	100	25/32	19.6	CT-1003, CT-1004

See page 52 for Ferrule End Sleeve Terminal Kits. Prime items appear in **BOLD**.

\*Order number of pieces required in multiples of Std. Pkg. Qty.

For Technical Assistance, call: 866-405-6659 (outside the U.S., see inside back cover for International Directory)



## PANDUIT® FERRULE END SLEEVES - Features and Benefits



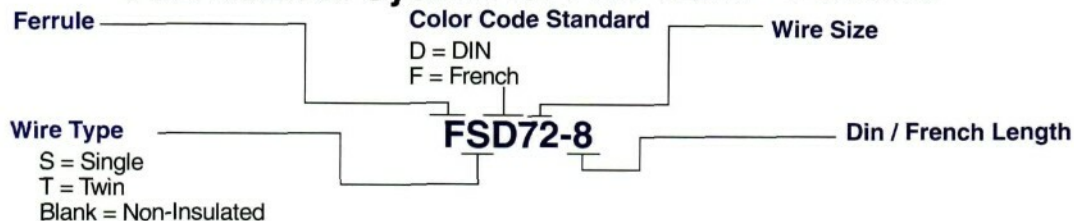
### Insulated Ferrules

- Ideal for control panel and terminal block applications
- Insulated single wire range of #26 AWG to #1 AWG. Sizes meets French and DIN color code standards
- Insulated twin wire end sleeve range of #22 AWG to #10 AWG. Sizes meets DIN color code standard
- Rated for use up to a maximum of 192° F (89° C)

### Non-Insulated Ferrules

- Ideal for control panel and terminal block applications
- Available range of #24 AWG to #1 AWG
- Rated for use up to a maximum of 192° F (89° C)

### Part Number System for *PAN-TERM*® Ferrules

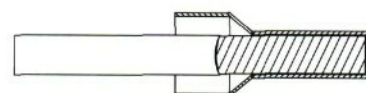


## HIGH-QUALITY FERRULE END SLEEVES AND FERRULE TOOLING

These products terminate stranded wire for insertion into terminal blocks and provide superior termination performance. A wide assortment of ferrule styles and tool designs provides panel shops, OEM's, electrical distributors and end users with a proven way to make reliable connections at a lower installed cost.

### Advantages to using *PANDUIT* Ferrules:

1. Ease of wire insertion eliminates loose strands of wire
  - Wire strands will not fray or spread
2. No unwanted contacts when installing or removing the wire
  - Maximizes a reliable electrical connection
3. Encapsulated crimp eliminates stray wire breakage
4. Great for limited space applications



SECTION VIEW OF INSULATED FERRULE WITH WIRE INSTALLED

## PANDUIT Ferrules are Available For Many Wiring Applications

**PANDUIT Ferrules** are available for wiring applications from #26 AWG to #1 AWG. Offerings include insulated and non-insulated ferrules, in single-wire or double-wire configurations. Insulated ferrules are color coded to DIN or French standards.

Five different crimping tools are available to secure the ferrules to wire ends (see page 56 for complete ferrule installation tool selection). These ergonomically engineered tools are designed to promote operator comfort, safety and greater productivity. Each of these models offers superior crimp performance and is backed by a two year warranty.

***These ferrules and ferrule crimping tools are part of a complete line of innovative wiring accessories available through authorized PANDUIT distributors nationwide.***



## CONTOUR CRIMP™ CONTROLLED-CYCLE TOOLS

CT-1525



CT-1550



CT-1551



CT-1570



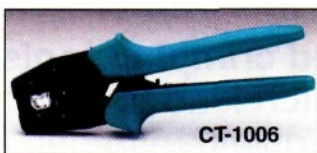
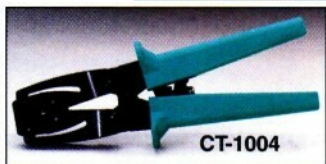
CT-1014



CT-1015



CT-300-1



PANDUIT® Part Number	Description	Std. Pkg. Qty.
CT-1525	Crimps <i>PAN-TERM</i> ® #26-#22 AWG insulated terminals and splices, #22-#10 AWG fully insulated disconnects and insulated parallel splices. Crimps specific <i>PAN-TERM</i> #22-#14 AWG barrel insulated disconnects.	1
CT-1550	Crimps most <i>PAN-TERM</i> #22-#10 AWG nylon and vinyl insulated terminals and splices. Crimps specific <i>PAN-TERM</i> #22-#10 AWG nylon and vinyl insulated disconnects. The CT-1550 has the red/blue pocket closest to the pivot which provides a reduced crimp effort advantage for those who make mostly red/blue terminations.	1
CT-1551	Crimps most <i>PAN-TERM</i> #22-#10 AWG nylon and vinyl insulated terminals and splices. Crimps specific <i>PAN-TERM</i> #22-#10 AWG nylon and vinyl insulated disconnects. The CT-1551 has the yellow pocket closest to the pivot which provides a reduced crimp effort advantage for those who make mostly yellow terminations.	1
CT-1551M	Crimps most <i>PAN-TERM</i> 0,5-6,0 mm nylon and vinyl insulated terminals and splices. Crimps specific <i>PAN-TERM</i> 0,5-6,0 mm nylon and vinyl insulated disconnects.	1
CT-1570	Crimps most <i>PAN-TERM</i> #22-#10 AWG and 0,5-6,0 mm non-insulated terminals and disconnects. Crimps specific <i>PAN-TERM</i> #22-#10 AWG and 0,5-6,0 mm non-insulated splices.	1
<b>SPECIALTY CONTOUR CRIMP TOOLS</b>		
CT-1700	Crimps <i>PAN-TERM</i> #8-#2 AWG non-insulated tubular terminals ( <i>S series</i> ) and #8-#1 AWG <i>PANDUIT</i> copper compression lugs. Includes 5 position rotating die.	1
CT-1701	Crimps <i>PAN-TERM</i> #10-#2 AWG non-insulated large gauge ring terminal ( <i>P series</i> ). Includes 5 position rotating die.	1
CT-1014	Crimps <i>PAN-TERM</i> #22-#14 AWG loose piece <i>DISCO-LOK</i> ™ disconnects.	1
CT-1015	Crimps <i>PAN-TERM</i> #22-#14 AWG loose piece <i>SUPRA-GRIP</i> ™ disconnects.	1
<b>SPECIALTY CRIMPING TOOLS</b>		
CT-300-1	Crimps <i>PAN-TERM</i> #22-#14 AWG fully insulated right angle disconnects. ( <i>DNFR-FIB Series</i> )	1
CT-310	Crimps <i>PAN-TERM</i> #22-#10 AWG heat shrink insulated terminals, disconnects and splices.	1
<b>FERRULE END SLEEVE CRIMPING TOOLS</b>		
CT-1002	Crimps <i>PAN-TERM</i> #26-#10 AWG single wire vinyl insulated ferrules ( <i>DIN</i> ), #26-#10 AWG single wire insulated ferrules ( <i>French</i> ), #22-#12 AWG vinyl insulated dual-wire ferrules ( <i>DIN</i> ) and #24-#10 AWG non-insulated ferrules.	1
CT-1003	Crimp <i>PAN-TERM</i> #22-#8 AWG single wire insulated ferrules ( <i>DIN</i> ), #22-#8 AWG single wire vinyl insulated ferrules ( <i>French</i> ), #22-#12 AWG vinyl insulated dual-wire ( <i>DIN</i> ) ferrules and #22-#10 AWG non-insulated ferrules.	1
CT-1004	Crimps <i>PAN-TERM</i> #8-#6 AWG single wire vinyl insulated ferrule ( <i>DIN</i> ), #8-#6 AWG single wire vinyl insulated ferrules ( <i>French</i> ), #10 AWG vinyl insulated dual-wire ( <i>DIN</i> ) ferrule and #8-#6 AWG non-insulated ferrules.	1
CT-1005	Crimps <i>PAN-TERM</i> #4-#2 AWG single wire vinyl insulated ferrule ( <i>DIN</i> ), #4-#2 AWG single wire vinyl insulated ferrules ( <i>French</i> ) and #4-#2 AWG non-insulated ferrules.	1
CT-1006	Crimps <i>PAN-TERM</i> #1 AWG single wire vinyl insulated ferrule ( <i>DIN</i> ) or ( <i>French</i> ) and #1 AWG non-insulated ferrules.	1

Order the number of pieces required in multiples of standard package quantities.  
1 = 1 pc.

### CT-1003 Crimp Tool Application

