

Ferrules

Panduit[®] Pan-Term[®] Ferrule end sleeves terminate stranded wire into terminal blocks with superior termination performance. A wide assortment of ferrule styles and tool designs provide a proven way to make reliable connections, especially for limited space applications. Insulation flare allows for ease of wire insertion and eliminates loose strands of wire. Encapsulated crimp contains loose wires to eliminate stray wire breakage.





- Ferrules are UL 486F (1/0-20 AWG) listed and CSA certified
- Ideal for control panel and terminal block applications
- Insulated single wire range of #26 300 kcmil sizes meets DIN color code standards
- Insulated twin wire end sleeve range of #22 – 6 AWG, sizes meets DIN color code standard
- Non-insulated wire range of #24 500 kcmil
- Insulated ferrules single wire range #20 14 AWG, available in strips of 50 for use with the semiautomatic ferrule crimping tool, CT-1000, for improved reliability and productivity
- Wide assortment of controlled cycle, crimping tools for reliable connections at the lowest installed cost

Panduit continually provides new designs to meet the application challenges encountered by our customers. Panduit offers a wide assortment of Pan-Term[®] termination products to meet customer needs at the lowest installed cost. B1. Cable Ties

A.

System

Overview

B2. Cable Accessories

B3. Stainless Steel Cable Ties & Accessories

C1. Wiring Duct

C2. Abrasion Protection

C3. 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. Industrial Safety Solutions

F. Keystone Cabling Systems

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www.panduit.com

PANDUIT®

A.

System

Overview

B1. Cable Ties

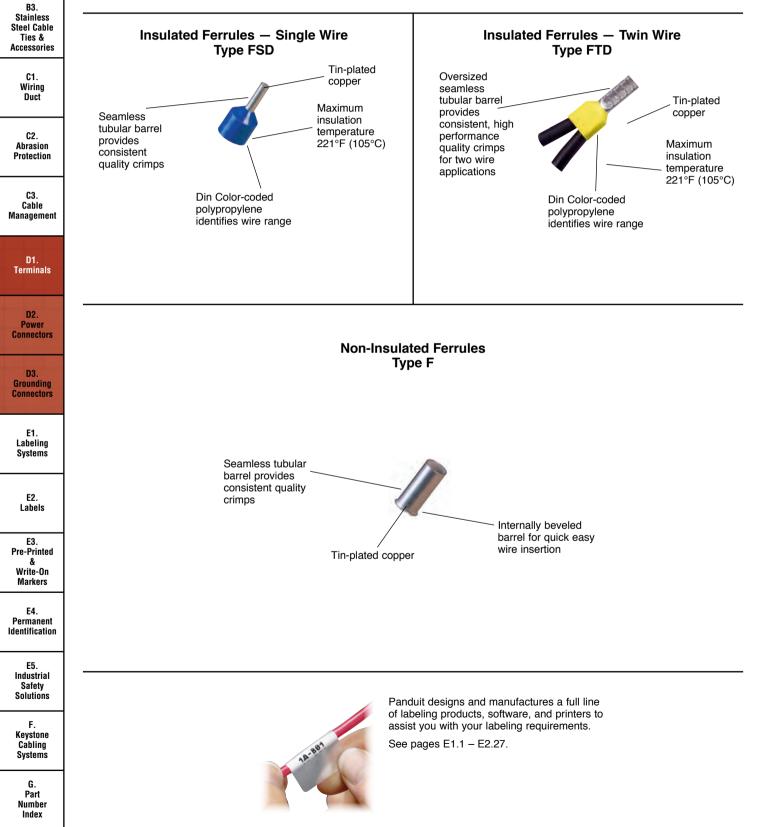
R2

Cable

Accessories

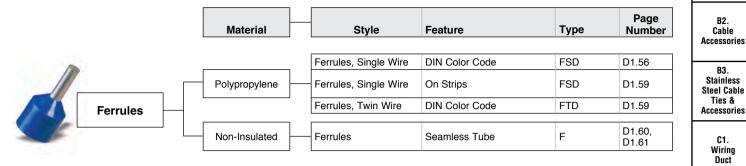
Features and Benefits – Pan-Term® Ferrules

Panduit[®] ferrules are available for wiring applications from #26 – 500 kcmil. Offerings include insulated and non-insulated ferrules, in single-wire or double-wire configurations. Insulated ferrules are color-coded to DIN standards. Crimped on the metal barrel these ferrules provide improved performance for terminal block and panel building applications. All Panduit ferrules are CSA Certified. Panduit 1/0 to 20 AWG ferrules are UL listed per UL486F Standard.

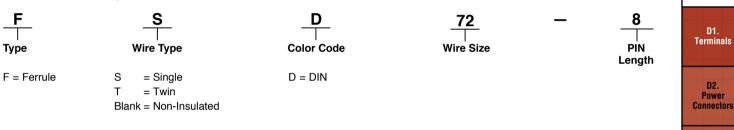


Order number of pieces required, in multiples of Standard Package Quantity.

Selection Guide – Pan-Term® Ferrules



Part Number System for Pan-Term® Ferrules



D3. Grounding Connectors

D2.

Power

E1. Labeling Systems

F2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

> E5. Industrial Safety Solutions

F. Keystone Cabling Systems

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System Overview

A.

B1. Cable

Ties

C2. Abrasion Protection

C3. Cable Management

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Terminate

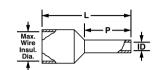
Insulated Ferrules – Twin Wire DIN End Sleeve

Type FTD

- Meets DIN standards for twin wire containment
- Polypropylene insulation housing conforms to DIN color requirements
- Funnel entry for faster insertion and lower installed cost
- Designed with a seamless barrel to contain loose wire strands for superior terminations

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





Part Number	Wire Size		Color	Max. Wire Insul. Dia.			Figu	ure Di	mensi	ions		Wire Strip			644	
						L		Р		ID		Length		Recommended	Std. Pkg.	
	AWG	mm²	Code	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Installation Tool	Qty.	
FTD75-8-D*	22-20 AWG	0.5	White	0.87	2.2	0.59	15.0	0.31	8.0	0.06	1.5	7/16	11.2	_	500	
FTD76-8-D	18 AWG	0.75	5 Gray	0.09	2.4	0.59	15.0	0.31	8.0	0.07	1.8	7/16	11.2		500	
FTD76-10-D	10 AWG	0.75		0.09	2.4	0.67	17.0	0.39	10.0	0.07	1.8	9/16	14.0		500	
FTD77-8-D		1.0	1.0	Red	0.11	2.7	0.59	15.0	0.31	8.0	0.08	2.1	7/16	11.2		500
FTD77-10-D			neu	0.11	2.7	0.67	17.0	0.39	10.0	0.08	2.1	9/16	14.0	CT-1002, CT-1003, CT-1123	500	
FTD78-8-D	16 AWG	1.5	Black	0.12	3.0	0.63	16.0	0.31	8.0	0.09	2.3	7/16	11.2		500	
FTD78-12-D	16 AWG	1.5		0.12	3.0	0.79	20.0	0.47	12.0	0.09	2.3	21/32	16.8		500	
FTD80-10-TL	14 000	0.5	Dhue	0.15	3.7	0.73	18.5	0.39	10.0	0.11	2.9	9/16	14.0		250	
FTD80-13-TL	14 AWG	2.5	Blue	0.15	3.7	0.85	21.5	0.51	13.0	0.11	2.9	21/32	16.2		250	
FTD81-12-C+	12 AWG	4.0	Gray	0.17	4.3	0.91	23.0	0.47	12.0	0.15	3.8	23/32	16.8		100	
FTD82-14-C+	10 AWG	6.0	Yellow	0.19	4.8	0.98	25.0	0.55	14.0	0.18	4.6	21/32	19.6	CT-1003, CT-1004, CT-1104	100	
FTD83-14-C	8 AWG	10.0	Red	0.28	7.1	1.02	26.0	0.55	14.0	0.26	6.6	3/4	19.0	CT-1005	100	
FTD84-16-C	6 AWG	16.0	Blue	0.35	8.9	1.22	31.0	0.63	16.0	0.33	8.4	13/16	21.0		100	

*UL listed with 20 AWG only, UL486F scope is 1/0-20AWG. White is DIN color for 20 AWG

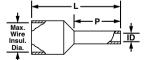
+Tool/Part is not a UL listed combination. For crimping tool information see www.panduit.com/tools.

Insulated Ferrules on Strips – Single Wire

Type FSD

- Polypropylene insulation housing available in DIN standard colors in strips of 50
- Continuously molded design provides consistent placement of ferrules in tool to ensure fast, reliable terminations

- Available in #20 14 AWG featuring a seamless barrel design to contain loose wire strands for superior terminations
- Designed for use with the Semiautomatic Ferrule Crimping Tool CT-1000 for medium volume applications



			Max. Wire			Figu	ire Di	mensi	ons		Wire Strip			644
Wire Size		Color	Insul. Dia.		L		Р		ID		Length		Recommended	Std. Pkg.
AWG	mm²	Code	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Installation Tool	Qty.
es														
20 AWG	0.50	White	0.10	2.6	0.60	15.2	0.31	8.0	0.04	1.0	13/32	10.0	CT-1000	500
18 AWG	0.75	Gray	0.11	2.7	0.60	15.2	0.31	8.0	0.06	1.5	13/32	10.0		500
	1.00	Red	0.12	3.0	0.60	15.2	0.31	8.0	0.07	1.8	13/32	10.0		500
16 AWG	1.50	Black	0.13	3.2	0.60	15.2	0.31	8.0	0.09	2.3	13/32	10.0		500
14 AWG	2.50	Blue	0.16	4.0	0.60	15.2	0.31	8.0	0.09	2.3	13/32	10.0		500
	AWG 20 AWG 18 AWG 16 AWG 14 AWG	AWG mm² 20 AWG 0.50 18 AWG 0.75 16 AWG 1.00 14 AWG 2.50	AWGmm²ColorAWGmm²Code20 AWG0.50White18 AWG0.75Gray1.00Red16 AWG1.50Black14 AWG2.50Blue	Wire Size Color Color Insul AWG mm² Color In. 20 AWG 0.50 White 0.10 18 AWG 0.75 Gray 0.11 1.00 Red 0.12 0.13	Wire Size Color Code Insul. Dia. AWG mm² Code In. mm 20 AWG 0.50 White 0.10 2.6 18 AWG 0.75 Gray 0.11 2.7 1.00 Red 0.12 3.0 16 AWG 1.50 Black 0.13 3.2 14 AWG 2.50 Blue 0.16 4.0	Wire Size Color Insul. I AWG mm² Code In. mm In. 20 AWG 0.50 White 0.10 2.6 0.60 18 AWG 0.75 Gray 0.11 2.7 0.60 1.00 Red 0.12 3.0 0.60 16 AWG 1.50 Black 0.13 3.2 0.60 14 AWG 2.50 Blue 0.16 4.0 0.60	Wire Size Color Insul. Dia. L AWG mm² Code In. mm In. mm 20 AWG 0.50 White 0.10 2.6 0.60 15.2 18 AWG 0.75 Gray 0.11 2.7 0.60 15.2 16 AWG 1.00 Red 0.12 3.0 0.60 15.2 16 AWG 1.50 Black 0.13 3.2 0.60 15.2 14 AWG 2.50 Blue 0.16 4.0 0.60 15.2	Wire Size Color Insul. Dia. L L F AWG mm² Code In. mm In. mm In. 20 AWG 0.50 White 0.10 2.6 0.60 15.2 0.31 18 AWG 0.75 Gray 0.11 2.7 0.60 15.2 0.31 16 AWG 1.00 Red 0.12 3.0 0.60 15.2 0.31 16 AWG 1.50 Black 0.13 3.2 0.60 15.2 0.31 14 AWG 2.50 Blue 0.16 4.0 0.60 15.2 0.31	Wire Size Color Insul. Dia. L L P AWG mm² Code In. mm In.	Wire Size Color Insul. Dia. L I <td>Wire Size Color Insul. Dia. L L P I AWG mm² Code In. mm In. In.</td> <td></td> <td>Wire Size Color Insul. Dia. Left P ID Left AWG mm² Code In. mm In. In.<</td> <td></td>	Wire Size Color Insul. Dia. L L P I AWG mm² Code In. mm In.		Wire Size Color Insul. Dia. Left P ID Left AWG mm² Code In. mm In. In.<	

Ties & Accessories C1.

A.

System

Overview

B1. Cable Ties

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Accessories

B3. Stainless

Steel Cable

Duct

Wiring

Abrasion Protection

C3. Cable Management

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> D3. Grounding Connectors

E1. Labeling Systems

> E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Industrial Safety Solutions

F. Keystone Cabling Systems

> G. Part Number Index

D1.59