

PAN-TERM® DISCONNECTS

Panduit® Pan-Term® Disconnects are designed and precision made to function as a reliable method of making quick, repeatable interconnections. Available with nylon, premium nylon, vinyl insulation or non-insulated.



- Fully insulated design provides excellent protection from electrical shorts and provides additional installer protection for safety from electrical shocks
- Funnel entry speeds insertion and minimizes turned back wire strands
- Integrated metal insulation grip provides double crimp insulation grip for high vibration or conductor strain environments on select Supra-Grip™ Disconnects and Disco-Lok™ Disconnects and DiscoGrip™ Disconnects
- Applicable sizes are UL Listed and CSA Certified, as noted
- Wide assortment of manual, controlled cycle, battery operated hydraulic and pneumatic 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 at the lowest installed cost.

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A. System Overview

Features and Benefits – Pan-Term® Disconnects

Pan-Term® Disconnects are fabricated from brass and are electro tin-plated for a long, corrosion resistant operating life.

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C1. Wiring Duct

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C4. Cable Management

Nylon Fully Insulated Female Receptacles and Male Tabs Type DNF-FIB

Available in tab sizes to accommodate .110", .187", .205" or .250" tabs

Fully insulated design provides protection from electrical shorts

Expanded wire entry (on select sizes) accommodates large insulation or multiple wires

Maximum insulation temperature 221°F (105°C)

Insulation support restricts excessive wire movement to minimize stress on crimp joint

Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 600 V per UL 310. Flammability – UL 94V-2/HB.

Disco-Grip™ Premium Nylon Fully Insulated Female Receptacles and Male Tabs Type DPF

Available in tab sizes to accommodate .110", .187", .205" or .250" tabs

Fully insulated design provides protection from electrical shorts

Maximum insulation temperature 221°F (105°C)

Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 600 V per UL 310.

Flammability – UL 94V-2.

Male products available .250" width in standard and oversized housing configurations.

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Supra-Grip™ Nylon Fully Insulated Female Disconnects Type DNG-FB

Available in tab sizes to accommodate .187" or .250" tabs

Fully insulated design provides protection from electrical shorts

Maximum insulation temperature 221°F (105°C)

Funnel entry for faster wire insertion and lower installed cost

Fully integrated metal insulation grip for high vibration, high strain relief, and double crimp requirements



UL and CSA rated up to 600 V per UL 310. Flammability – UL 94V-2/HB.

Disco-Lok™ Nylon Fully Insulated Locking Female Disconnects Type DNG-FL

Available in tab sizes to accommodate .250" tabs

Unique locking mechanism allows for low insertion forces (mating) and positive locking for secure connections

Maximum insulation temperature 221°F (105°C)

Funnel entry for faster wire insertion and lower installed cost

Insulation grip sleeve provides a superior insulation crimp for high vibration and high strain relief applications



UL and CSA rated up to 300 V per UL 310.

Flammability – UL 94V-2/HB.



Panduit extensive line of tooling is specifically designed for optimum crimping performance.

See pages D1.83 – D1.89.



Panduit designs and manufactures a full line of labeling products, software, and printers to assist you with your labeling requirements.

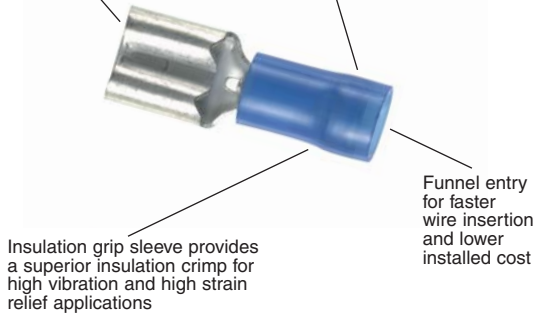
See pages E1.1 – E2.28.

Features and Benefits – Pan-Term® Disconnects (continued)

Nylon Barrel Insulated Female Receptacles and Male Tabs Type DNF

Available in tab sizes to accommodate .110", .187", .205" or .250" tabs

Maximum insulation temperature 194°F (90°C)



Insulation grip sleeve provides a superior insulation crimp for high vibration and high strain relief applications

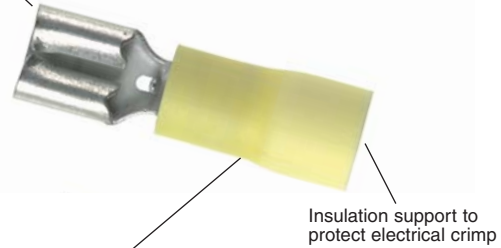
Funnel entry for faster wire insertion and lower installed cost



UL and CSA rated up to 300 V per UL 310.
Flammability – UL 94V-2/HB.
Male products available .250" width.

Vinyl Barrel Insulated Female Receptacles and Male Tabs Type DV and DVF

Available in tab sizes to accommodate .187", .205", or .250" tabs



Insulation grip sleeve provides a superior insulation crimp for high vibration and high strain relief applications

Insulation support to protect electrical crimp



UL and CSA rated up to 300 V per UL 310.
Male products available .250" width.
Flammability – UL 94V-0.

Non-Insulated Female Receptacles and Male Tabs Type D

Available in tab sizes to accommodate .187" or .250" tabs

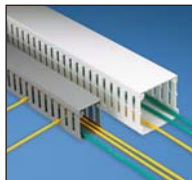
Maximum recommended operating temperature 302°F (150°C)



Sleeved barrel assures crimp reliability



UL and CSA rated up to 2000 V per UL 310.
Male products available .250" width.



Panduit wiring duct offers a wide variety of sizes and types to meet the wire capacity needs and space constraints of the smallest wall mounted to the largest integrated systems.

See pages C1.1 – C1.52.



A comprehensive selection of cable ties used to bundle, mount, and identify wire and cable.

See pages B1.1 – B1.120.

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Selection Guide – Pan-Term® Disconnects

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Material	Style	Design	Feature	Type	Page Number
Nylon	Fully Insulated	Female	Funnel Entry, Ins. Grip	DNG-FB	D1.43
		Female	Funnel, Ins. Grip, Locking	DNG-FL	D1.44
		Female	Funnel, Ins. Support, Two-Pc.	DNF-FIB	D1.45
		Female	Funnel, Ins. Support, Three-Pc.	DNF-FI	D1.45
		Female	Funnel Entry, Premium Nylon	DPF-FIB	D1.46
		Male	Funnel, Ins. Support, Two-Pc.	DNF-FIM	D1.44
		Male	Premium Nylon	DPF-FIM	D1.46
		Female Right Angle	Funnel Entry, Ins. Support	DNFR-FIB	D1.49
		Female Right Angle	Funnel Entry, Open Top	DNFR-B	D1.50
		Nylon	Barrel Insulated	Female	Funnel Entry, Ins. Grip
Male	Funnel Entry, Ins. Grip			DNF-M	D1.52
Vinyl	Barrel Insulated	Female	Funnel Entry, Ins. Grip, Three-Pc.	DVF	D1.48
		Female	Funnel Entry, Butted Seam, Two-Pc.	DV-B	D1.48
		Male	Funnel Entry, Butted Seam, Two-Pc.	DV-MB	D1.52
		Piggyback	Funnel Entry, Ins. Grip	DV-P	D1.51
Heat Shrink	Fully Insulated	Female	Heat Shrink Insulated	DNH-FIB	D1.47
		Male	Heat Shrink Insulated	DNH-FIM	D1.47
Non-Insulated		Female	Sleeved Barrel	D	D1.49
		Female Right Angle	Sleeved Barrel	DR	D1.50
		Female Right Angle	Butted Seam	DR-B	D1.51
		Male	Butted Seam	D-MB	D1.53
		Adapter	Two Female to One Male	D-A	D1.51



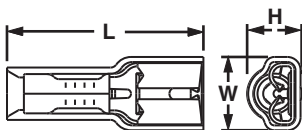
Part Number System for Pan-Term® Disconnects

D	NF	—	14	250	FIB	—	M
Type	Insulation		Wire Range	Tab Size	Special Configuration		Standard Package Size
D = Disconnects	N = Nylon		18 = #22 – 18	110 = 0.110 x 0.032	A = Adapter		L = 50
	NF = Nylon, Funnel Entry		14 = #16 – 14	111 = 0.110 x 0.020	B = Butted Seam		C = 100
	NFR = Nylon, Funnel Entry, Right Angle		10 = #12 – 10	145 = 0.145 x 0.032	FB = Metal Insulation Grip, Female		D = 500
	NG = Nylon, Funnel Entry, Metal Insulation Grip			187 = 0.187 x 0.032	FI = Fully Insulated, Female		M = 1000
	NH = Heat Shrink			188 = 0.187 x 0.020	FIB = Fully Insulated, Butted Seam, Female		
	PF = Premium Grade Nylon, Funnel Entry			205 = 0.187/0.205 x 0.032	FIM = Fully Insulated, Male		
	R = Non-insulated, Right Angle			206 = 0.187/0.205 x 0.020	FIMB = Fully Insulated, Male with Oversized Housing		
	V = Vinyl			250 = 0.250 x 0.032	FL = Locking, Metal Insulation Grip, Female		
	VF = Vinyl Funnel Entry				M = Male		
	= Non-Insulated (leave blank)				MB = Butted, Male		
					P = Piggyback		
					= Female (leave blank)		

Supra-Grip™ Female Disconnect, Nylon Fully Insulated – Funnel Entry

Type DNG-FB

- Disconnect can be inserted and removed from the male tab without the use of tools for lower installed cost
- Flared barrel extension integrated into stamping to provide insulation grip for double crimp requirements
- Fully insulated design provides protection from electrical shorts
- Internal barrel serrations assure good wire contact and maximum tensile strength
- Internal wire stop assures proper length of insertion into terminal barrel, providing a higher-quality connection
- Mates with DNF-FIMB family
- UL Flammability UL 94V-2/HB, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up to 600 V per UL 310



Part Number	Wire Range	Color Code	Max. Ins. (In.)	Figure Dimensions (In.)			Tab Size (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
				L	W	H				
DNG18-187FB-C	22 – 18 AWG	Red	0.126	0.89	0.29	0.22	0.187 x 0.032	CT-1015	100	1000
DNG18-188FB-C			0.126	0.89	0.29	0.22	0.187 x 0.020			
DNG18-250FB-L			0.126	0.93	0.35	0.22	0.250 x 0.032			
DNG14-187FB-L*	16 – 14 AWG	Blue	0.153	0.89	0.29	0.25	0.187 x 0.032	CT-1015	50	250
DNG14-188FB-L*			0.153	0.89	0.29	0.25	0.187 x 0.020			
DNG14-250FB-L			0.153	0.93	0.35	0.25	0.250 x 0.032			

*UL Recognized for use with copper alloy tabs.

**Bulk packaging may be available, contact Panduit Customer Service for additional information.

For crimping tool information, see page D1.84.

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