

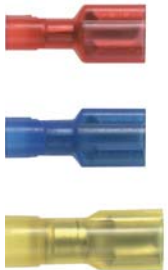
Part Number System for Pan-Term® Metric Disconnects

DM	NF	1	—	285	FIB	—	C
Type	Insulation	Wire Range		Size and Type	Special Configuration		Package Size
DM = Disconnect Metric	N = Nylon NF = Nylon Funnel V = Vinyl = Non-Insulated (leave blank)	1 = 0.5 – 1.0mm ² (22 – 18 AWG) 2 = 1.5 – 2.5mm ² (16 – 14 AWG) 6 = 4.0 – 6.0mm ² (12 – 10 AWG)		285 = 2.8mm x 0.5mm (0.110 x 0.020) 288 = 2.8mm x 0.8mm (0.110 x 0.032) 488 = 4.8mm x 0.8mm (0.188 x 0.032) 63 = 6.3mm x 0.8mm (0.250 x 0.032)	B = Butted Seam, Female FI = Fully Insulated, Female FIB = Fully Insulated, Butted Seam, Female FIM = Fully Insulated, Male M = Male MB = Butted Seam, Male = Female (leave blank)		X = 10 E = 20 Q = 25 L = 50 C = 100

Female Metric Disconnect, Fully Insulated Nylon – Funnel Entry

Type DMNF-FIB

- Disconnect can be inserted and removed from the male tab without the use of tools for lower installed cost
- Fully insulated design provides protection from electrical shorts
- Internal wire stop assures proper length of insertion into terminal barrel, providing a higher quality connection
- Maximum insulation temperature 221°F (105°C)
- Rated up to 600 V



Part Number	Wire Range	Color Code	Max. Ins. (mm)	Figure Dimensions (mm)			Tab Size (mm)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
				L	W	H				
DMNF1-285FIB-C	0.5 – 1.0	Red	3.05	18.0	4.8	4.1	2.8 x 0.5	CT-1525, CT-2500	100	500
DMNF1-288FIB-C			3.05	18.0	4.8	4.1	2.8 x 0.8		100	500
DMNF1-488FIB-C			3.35	19.8	7.9	5.5	4.8 x 0.8		100	1000
DMNF1-63FIB-C			3.35	21.3	8.9	5.5	6.3 x 0.8		100	500
DMNF2-488FIB-C	1.5 – 2.5	Blue	3.96	19.8	7.9	5.5	4.8 x 0.8	CT-1525, CT-2500	100	1000
DMNF2-63FIB-C			3.96	21.3	8.9	5.5	6.3 x 0.8		100	500
DMNF6-63FI-L	4.0 – 6.0	Yellow	5.84	24.4	8.9	6.9	6.3 x 0.8	CT-1551	50	250

**Bulk packaging may be available, contact Panduit Customer Service for additional information. For crimping tool information, see pages D1.84 and D1.88.

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B2. Cable Accessories

B3. Stainless Steel Ties

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C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

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Female Metric Disconnect, Nylon Barrel Insulated – Funnel Entry

B1. Cable Ties

Type DMNF

- Disconnect can be inserted and removed from the male tab without the use of tools for lower installed cost
- Metal insulation grip sleeve crimps to wire insulation, providing protection to the crimp joint during high vibration applications
- 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
- Maximum insulation temperature 221°F (105°C)
- Rated up to 300 V

B2. Cable Accessories

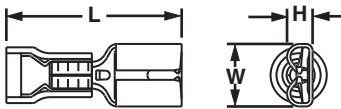
B3. Stainless Steel Ties



C1. Wiring Duct



C2. Surface Raceway



C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

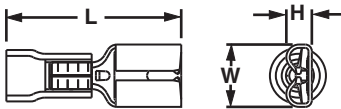
Part Number	Wire Range (mm ²)	Color Code	Max. Ins. (mm)	Figure Dimensions (mm)			Tab Size (mm)	Recommended Installation Tool	Std. Pkg. Qty.	Std. Ctn. Qty.
				L	W	H				
DMNF1-285-C	0.5 – 1.0	Red	2.50	17.8	3.8	2.0	2.8 x 0.5	CT-1551	100	500
DMNF1-288-C			2.50	17.6	3.8	2.0	2.8 x 0.8		100	500
DMNF1-488-C			3.60	19.6	5.8	2.5	4.8 x 0.8		100	500
DMNF1-63-C		Red	3.58	20.7	7.4	3.1	6.3 x 0.8		100	500
DMNF2-288-C	1.5 – 2.5	Blue	4.20	18.8	3.8	2.0	2.8 x 0.8		100	500
DMNF2-488-C			4.20	19.6	5.8	2.5	4.8 x 0.8		100	500
DMNF2-63-C			4.22	21.1	7.4	3.1	6.3 x 0.8	100	500	

For crimping tool information, see page D1.84.

Female Metric Disconnect, Vinyl Barrel Insulated – Funnel Entry

Type DMV

- Disconnect can be inserted and removed from the male tab without the use of tools for lower installed cost
- 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
- Maximum insulation temperature 221°F (105°C)
- Rated up to 600 V



Part Number	Wire Range (mm ²)	Color Code	Max. Ins. (mm)	Figure Dimensions (mm)			Tab Size (mm)	Recommended Installation Tool	Std. Pkg. Qty.	Std. Ctn. Qty.
				L	W	H				
DMV6-63-L	2.5 – 6.0	Yellow	5.80	25.7	7.6	3.3	6.3 x 0.8	CT-1551	50	250

For crimping tool information, see page D1.84.

E1. Labeling Systems

Female Metric Disconnect, Non-Insulated – Metal Sleeve

Type DM

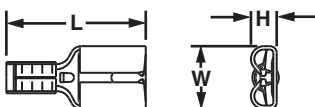
- Disconnect can be inserted and removed from the male tab without the use of tools for lower installed cost
- Sleeved barrel helps to facilitate high mechanical and electrical performance when crimping
- Barrel of terminal internally beveled to provide quick and easy wire insertion
- Internal barrel 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
- Maximum recommended operating temperature 302°F (150°C)
- Rated up to 2000 V

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions



Part Number	Wire Range (mm ²)	Figure Dimensions (mm)			Tab Size (mm)	Recommended Installation Tool	Std. Pkg. Qty.	Std. Ctn. Qty.
		L	W	H				
DM1-488-C	0.5 – 1.0	15.0	5.9	2.5	4.8 x 0.8	CT-1570, CT-2500	100	500
DM1-63-C		16.8	7.6	3.0	6.3 x 0.8		100	500
DM2-488-C	1.5 – 2.5	15.0	5.9	2.5	4.8 x 0.8		100	500
DM2-63-C		16.8	7.6	3.0	6.3 x 0.8		100	500
DM6-63-L	4.0 – 6.0	18.2	7.6	3.0	6.3 x 0.8		50	250

For crimping tool information, see pages D1.84 and D1.88.

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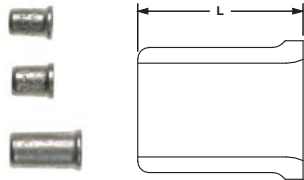
E5. Lockout/Tagout & Safety Solutions

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Wire Joint, Non-Insulated Type J

- Large barrel, designed to accommodate from one to seven wires with just one crimp
- Accommodates multiple wire sizes in varying combinations
- Non-insulated barrel can be used to provide an economical termination when insulation is not required
- Barrel of terminal internally beveled to provide quick and easy wire insertion
- Maximum recommended operating temperature 302°F (150°C)
- UL and CSA rated up to 2000 V per UL 486C



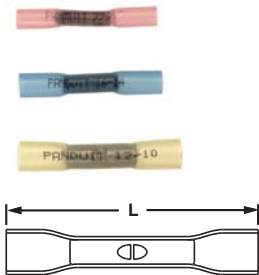
Part Number	Wire Range	CMA Range		Figure Dimensions (In.)	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
		Min.	Max.	L				
J214-312-T	(2) #14 – (3) #12	5760	19590	0.37	1/2	CT-100A‡, CT-200‡	200	2000
J318-412-T	(3) #18 – (4) #12	4860	27330	0.37	1/2	CT-100A‡, CT-200‡	200	2000
J216-410-L*	(2) #16 – (4) #10	5160	41600	0.62	3/4	CT-100A‡, CT-200‡	50	500

*Part number J216-410, is not UL Listed or CSA Certified.
 **Bulk packaging may be available, contact Panduit Customer Service for additional information.
 ‡UL and CSA approved tooling/product combinations. For crimping tool information, see page D1.83.



Heat Shrink, Butt Splices Type BSH

- Designed to splice two solid or stranded wires together to repair or lengthen wires
- Butted configuration provides low profile for limited space applications
- Heat shrink polyolefin sleeve with hot melt adhesive protects against moisture
- After crimping, heat shrink insulation is completed with a standard heat gun
- Minimum continuous operating temperature -65°F (-55°C)
- Maximum continuous operation temperature 230°F (110°C)
- Shrink temperature 300°F (150°C)
- UL and CSA rated up to 600 V per UL 486C

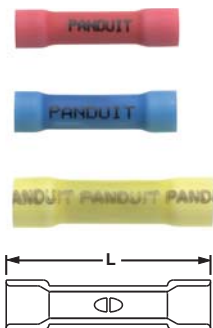


Part Number	Wire Range	Color Code	Max. Ins. (In.)	Figure Dimensions (In.)	Wire Strip Length (In.)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
				L				
BSH18-Q	22 – 18 AWG	Red	0.170	1.45	5/16	CT-310	25	125
BSH14-Q	16 – 14 AWG	Blue	0.190	1.45	5/16	CT-310	25	125
BSH10-E	12 – 10 AWG	Yellow	0.240	1.64	5/16	CT-310	20	100

**Bulk packaging may be available, contact Panduit Customer Service for additional information.
 For crimping tool information, see page D1.85.

Metric Butt Splice, Vinyl Insulated Type BSMV

- Expanded wire entry designed to accommodate wire with a larger insulation thickness
- Designed to splice two solid or stranded wires together to repair or lengthen wires
- Brazed seam protects terminal barrel from splitting during the crimp process
- Internal wire stop assures proper length of insertion into terminal barrel
- Maximum insulation temperature 221°F (105°C)
- Rated up to 600 V



Part Number	Wire Range (mm²)	Color Code	Max Ins. (mm)	Figure Dimensions (mm)	Recommended Installation Tool	Std. Pkg. Qty.**	Std. Ctn. Qty.
				L			
BSMV1BX-LY^	0.5 – 1.0	Red	4.3	26.4	CT-1551	50	500
BSMV2BX-L^	1.5 – 2.5	Blue	5.1	26.4	CT-1551	50	500
BSMV6X-Q*	4.0 – 6.0	Yellow	6.4	30.0	CT-1551	25	250

*Brazed seam.
 **Bulk packaging may be available, contact Panduit Customer Service for additional information.
 ^Butted seam.
 For crimping tool information, see page D1.84.

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Contour Crimp™ Controlled Cycle Tools

- Controlled cycle mechanism assures high quality, consistent terminations
- Ergonomic tool design assures operator comfort, safety, and performance
- Polypropylene handles provide chemical resistance and a cushioned, non-slip grip



Part Number	Part Description	Std. Pkg. Qty.
CT-1525	Crimps Panduit #26 – 22 AWG insulated terminals and splices, #22 – 10 AWG fully insulated disconnects and insulated parallel splices. Crimps Panduit #22 – 14 AWG barrel insulated disconnects.	1
CT-1550	Crimps most Pan-Term® #22 – 10 AWG nylon and vinyl insulated terminals, splices, and disconnects. The CT-1550 has the red/blue pocket closest to the pivot which provides a reduced crimp effort for those who make red/blue terminations.	1
CT-1551	Crimps most Pan-Term® #22 – 10 AWG nylon and vinyl insulated terminals, splices, and disconnects. The CT-1551 has the yellow pocket closest to the pivot which provides a reduced crimp effort for those who make yellow terminations.	1
CT-1570	Crimps most Pan-Term® #22 – 10 AWG and .5 – 6.0mm ² non-insulated terminals and disconnects. Crimps Panduit #22 – 10 AWG and .5 – 6.0mm ² non-insulated splices and #10 AWG compression lugs.	1
CT-1700	Crimps Panduit #8 – 2 AWG non-insulated tubular terminals (S series), #8 – 1 AWG copper code conductor lugs and splices, #8 – 2 AWG copper flex conductor lugs, #6 – 4 AWG dual rated aluminum lugs and splices and CTAPF10-16 to CTAPF3-12 copper taps. Includes 5-position, color coded rotating die.	1
CT-1701	Crimps Panduit #10 – 2 AWG non-insulated large gauge ring terminals (P series), #12 – 4 AWG non-insulated heavy duty ring terminals (P series), and #14 – 10 AWG copper code conductor lugs. Includes 5-position, rotating die.	1
CT-1014	Crimps Panduit #22 – 14 AWG loose piece Disco-Lok™ Disconnects.	1
CT-1015	Crimps Panduit #22 – 14 AWG loose piece Supra-Grip™ Disconnects.	1

Tooling Selection Guide for Panduit Terminals, Splices, and Disconnects (continued)

Panduit Terminal Series	Terminal Description	Std. Wire Range (AWG)	Wire Strip Length (In.)	Plier Tools				Controlled Cycle Hand Tools												Crimp Heads for Pneumatic CT-600-A Tool						
				CT-100A	CT-160	CT-200	CT-260	CT-720	CT-300-1	CT-310	CT-400	CT-460	CT-1014	CT-1015	CT-1525	CT-1550	CT-1551	CT-1570	CT-1701	CT-2500	CT-2600	CT-500CH	CT-520CH	CT-550CH	CT-570CH	
DNF-M	Nylon insulated, funnel entry, barrel insulated, male disconnects	22-18	9/32	X	X		X									X	X			X		X		X		
		16-14	9/32	X	X		X									X	X			X		X		X		
		12-10	9/32	X	X		X				X					X	X			X				X		
DNFR-B	Nylon pre-insulated, right angle disconnects	22-18	9/32	X										X					X							
		16-14	9/32	X										X					X							
DNFR-FIB	Nylon butted seam, right angle disconnects	22-18	11/32						X																	
		16-14	11/32						X																	
DNG-FB	Supra Grip™ Nylon, Fully Insulated Disconnects (except DNG14-187FB and DNG14-188FB)	22-18	1/4											X												
		16-14	1/4											X												
DNG-FL	Disco-Lok™ Nylon, Fully Insulated Disconnects	22-18	1/4											X												
		16-14	1/4											X												
DNH	Heat shrink disconnects	22-18	5/16							X																
		16-14	5/16							X																
		12-10	5/16							X																
DV	Vinyl barrel insulated sleeved disconnects	12-10	9/32	X											X	X			X				X			
DV-B	Vinyl insulated, butted seam disconnects	22-18	1/4	X										X					X				X			
		16-14	1/4	X										X					X				X			
DV-M	Vinyl barrel insulated male blade adapters	22-18	9/32	X	X		X				X					X	X			X		X		X		
		16-14	9/32	X	X		X			X	X					X	X			X		X		X		
DV-M	Vinyl insulated male disconnects	12-10	9/32	X			X																	X		
DV-MB	Vinyl insulated butted seam male disconnects	22-18	9/32	X						X				X					X		X		X		X	
		16-14	9/32	X						X	X			X					X		X		X		X	
DV-P	Vinyl insulated piggyback disconnects	22-18	1/4	X	X		X									X	X			X		X		X		
		16-14	1/4	X	X		X									X	X			X		X		X		
DVF	Vinyl funnel entry barrel insulated female disconnect	22-18	9/32													X	X			X		X		X		
		16-14	9/32													X	X			X		X		X		
J	Non-insulated wire joints																									
		J214-312	14-12	1/2	X		X																			
		J318-412	18-12	1/2	X		X																			
		J216-410	16-10	3/4			X																			
JN	Nylon insulated wire joints																									
		JN224-318	24-16	7/16	X	X		X			X					X	X			X		X		X		
		JN218-216	22-16	7/16	X	X					X					X	X			X		X		X		
		JN418-212	18-12	1/2	X	X					X					X	X			X		X		X		
JN314-412	14-12	5/8		X																						
P-HDR	Non-insulated heavy duty rings	16-12	9/32	X		X	X											X	X	X				X		
P-P	Non-insulated pin terminals	22-18	9/32	X	X	X	X												X		X				X	
		16-14	9/32	X	X	X	X												X		X				X	
		12-10	9/32	X	X	X	X												X	X	X				X	
P-R	Non-insulated large ring terminals	8	3/8																	X						
		6	7/16																	X						
		4	1/2																	X						
		2	1/2																	X						

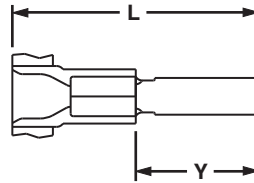
Tool/product approved combinations indicated on individual product pages.

Table continues on page D1.92

Metric Male Blade Adapters, Vinyl Insulated – Funnel Entry

Type DMV-MB

- Continuously molded design provides reliable, consistent performance through the applicator for a high quality termination every time
- Flat blade design to prevent damage to the wire from over tightening, resulting in a reliable electrical connection
- For use with blade-type terminal blocks
- Insulation support helps to prevent wire damage in bending applications
- UL Flammability UL 94V-0, maximum insulation temperature 194°F (90°C)
- Rated up to 600 V



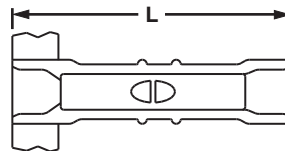
Part Number	Wire Range (mm²)	Color Code	Max. Ins. (mm)	Figure Dimensions (mm)		Tab Size (mm)	CA9 Series Crimp Die	CA-800/EZ Series Crimp Die	Pieces Per Reel
				L	Y				
DMV1-37MB-3K	0.5 – 1.0	Red	3.9	22.9	10.5	3.7 x 0.8	CD9-1A	CD-800-1	3000
DMV2-37MB-3K	1.5 – 2.5	Blue	4.5	22.9	10.5	3.7 x 0.8	CD9-2A	CD-800-2	3000

For applicator information, see page D1.143.

Metric Butt Splices, Nylon Insulated

Type BSMN, BSMP

- One-side machine applied termination replaces manual crimping
- Funnel entry on machine termination side to increase productivity
- Also hand crimped with Panduit CT-100A, CT-1550, or CT-1551 crimping tools
- Barrel locating ribs provide for accurate hand tool placement
- Available with insulation crimp premium grade nylon
- Brazed seam with center wire stop for increased performance and productivity
- UL Flammability UL 94V-2/HB, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up to 600 V per UL 486C



Part Number	Wire Range (mm²)	Color Code	Max. Ins. (mm)	Figure Dimension (mm)	CA9 Series Crimp Die	CA-800/EZ Series Crimp Die	Pieces Per Reel
				L			
BSMN1-3K	0.5 – 1.5	Red	3.8	24.1	CD9-1A	CD-800-1	3000
BSMN2-3K	1.5 – 2.5	Blue	4.3	24.1	CD9-2A	CD-800-2	3000
BSMN6-2K	4.0 – 6.0	Yellow	5.8	24.1	CD9-3B	CD-800-3	2000
BSMP1-3K	0.5 – 1.5	Red	3.8	24.1	CD9-1A	CD-800-1	3000
BSMP2-3K	1.5 – 2.5	Blue	4.3	24.1	CD9-2A	CD-800-2	3000

For applicator information, see page D1.143.