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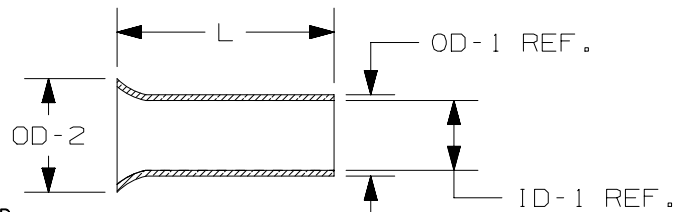
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PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS/DIES	
	AWG	[mm ²]			L	ID-1 (REF.)	OD-1 (REF.)	OD-2		
* F73-5	24	[0,25]	7/32 [5,0]	B, K, M	0.20 [15,0]	0.03 [0,8]	0.04 [1,1]	0.07 [1,7]	CT-1002 CT-1123 #CT-2523CH	
* F73-7			9/32 [7,0]		0.28 [7,0]	0.03 [0,8]	0.04 [1,1]	0.07 [1,7]		
* F74-5	24-22	[0,34]	7/32 [5,0]	B, K, M	0.20 [15,0]	0.04 [0,9]	0.05 [1,2]	0.07 [1,8]		
* F74-7			9/32 [7,0]		0.28 [7,0]	0.04 [0,9]	0.05 [1,2]	0.07 [1,8]		
+ F75-6	22-20	[0,50]	1/4 [6,0]	B, K, M	0.24 [6,0]	0.04 [1,0]	0.05 [1,3]	0.08 [2,1]		CT-1002 CT-1003 CT-1090 ^^CD-090 CT-1123 CT-1160 CT-1170 #CT-2523CH
+ F75-8			5/16 [8,0]		0.31 [8,0]	0.04 [1,0]	0.05 [1,3]	0.08 [2,1]		
+ F75-10			13/32 [10,0]		0.39 [10,0]	0.04 [1,0]	0.05 [1,3]	0.08 [2,1]		
F76-6	18	[0,75]	1/4 [6,0]	B, K, M	0.24 [6,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,3]		
F76-8			5/16 [8,0]		0.31 [8,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,3]		
F76-10			13/32 [10,0]		0.39 [10,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,3]		
F76-12			15/32 [12,0]		0.47 [12,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,3]		
F77-6	-	[1,00]	1/4 [6,0]	B, K, M	0.24 [6,0]	0.06 [1,4]	0.07 [1,7]	0.10 [2,5]	CT-1002 CT-1003 CT-1090 ^^CD-090 CT-1123 CT-1160 CT-1170 #CT-2523CH	
F77-7			9/32 [7,0]		0.28 [7,0]	0.06 [1,4]	0.07 [1,7]	0.10 [2,5]		
F77-8			5/16 [8,0]		0.31 [8,0]	0.06 [1,4]	0.07 [1,7]	0.10 [2,5]		
F77-10			13/32 [10,0]		0.39 [10,0]	0.06 [1,4]	0.07 [1,7]	0.10 [2,5]		
F77-12	15/32 [12,0]	0.47 [12,0]	0.06 [1,4]	0.07 [1,7]	0.10 [2,5]					
F78-7	16	[1,50]	9/32 [7,0]	B, K, M	0.28 [7,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		
F78-8			5/16 [8,0]		0.31 [8,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		
F78-10			13/32 [10,0]		0.39 [10,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		
F78-12			15/32 [12,0]		0.47 [12,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		
F78-15			19/32 [15,0]		0.59 [15,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		
F78-18			23/32 [18,0]		0.71 [18,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		
F78-20			25/32 [20,0]		0.79 [20,0]	0.07 [1,7]	0.08 [2,0]	0.11 [2,8]		

- * NOT UL LISTED, UL486 SCOPE IS 20 - 1/0 AWG ONLY
- + UL LISTED WITH 20 AWG ONLY
- ++ TOOL/PART COMBINATION IS NOT UL LISTED
- ^ TOOL/PART COMBINATION IS NOT UL LISTED WITH CLASS I WIRE
- ^^ DIES USED WITH CT-2300 TOOL
- # CRIMP HEAD USED WITH CT-2500 TOOL



NOTES:

1. USED FOR:
 - A. UL LISTED WITH STRANDED COPPER WIRE 20 - 1/0 AWG ONLY
 - B. 302°F [150°C] MAX. OPERATING TEMPERATURE
2. MATERIAL:
 - A. STAMPING: COPPER, TIN PLATED
3. SEE www.panduit.com FOR PACKAGE QUANTITIES
4. DIMENSIONS IN BRACKETS ARE METRIC EQUIVALENT
5. FOR TOLERANCING REFER TO DIN 46228 PART 1

PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS/DIES
	AWG	[mm ²]			L	ID-1 (REF.)	OD-1 (REF.)	OD-2	
F80-7	14	[2,50]	9/32 [7,0]	G, K, M	0.28 [7,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]	CT-1002 CT-1003 CT-1090 ^^CD-090 CT-1123 CT-1160 CT-1170 #CT-2523CH
F80-8			5/16 [8,0]		0.31 [8,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]	
F80-10			13/32 [10,0]		0.39 [10,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]	
F80-12			15/32 [12,0]		0.47 [12,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]	
F80-15			19/32 [15,0]		0.59 [15,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]	
F80-18			23/32 [18,0]		0.71 [18,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]	
F80-20	25/32 [20,0]	0.79 [20,0]	0.09 [2,2]	0.10 [2,5]	0.13 [3,4]				
F81-9	12	[4,00]	11/32 [8,0]	G, K, M	0.35 [9,0]	0.11 [2,8]	0.13 [3,2]	0.16 [4,0]	
F81-10			13/32 [10,0]		0.39 [10,0]	0.11 [2,8]	0.13 [3,2]	0.16 [4,0]	
F81-12			15/32 [12,0]		0.47 [12,0]	0.11 [2,8]	0.13 [3,2]	0.16 [4,0]	
F81-15			19/32 [15,0]		0.59 [15,0]	0.11 [2,8]	0.13 [3,2]	0.16 [4,0]	
F81-18			23/32 [18,0]		0.71 [18,0]	0.11 [2,8]	0.13 [3,2]	0.16 [4,0]	
F81-20			25/32 [20,0]		0.79 [20,0]	0.11 [2,8]	0.13 [3,2]	0.16 [4,0]	
F82-10	10	[6,00]	13/32 [10,0]	G, I, K, M	0.39 [10,0]	0.14 [3,5]	0.15 [3,9]	0.19 [4,7]	CT-1002 ++CT-1003 CT-1090 ^^CD-090 CT-1123 CT-1160 CT-1170 #CT-2523CH
F82-12			15/32 [12,0]		0.47 [12,0]	0.14 [3,5]	0.15 [3,9]	0.19 [4,7]	
F82-15			19/32 [15,0]		0.59 [15,0]	0.14 [3,5]	0.15 [3,9]	0.19 [4,7]	
F82-18			23/32 [18,0]		0.71 [18,0]	0.14 [3,5]	0.15 [3,9]	0.19 [4,7]	
F82-20			25/32 [20,0]		0.79 [20,0]	0.14 [3,5]	0.15 [3,9]	0.19 [4,7]	
F83-12			15/32 [12,0]		0.47 [12,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]	
F83-15	19/32 [15,0]	0.59 [15,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]				
F83-18	8	[10,0]	23/32 [18,0]	G, H, I, K, M	0.71 [18,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]	
F83-20			25/32 [20,0]		0.79 [20,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]	
F83-25			31/32 [25,0]		0.98 [25,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]	

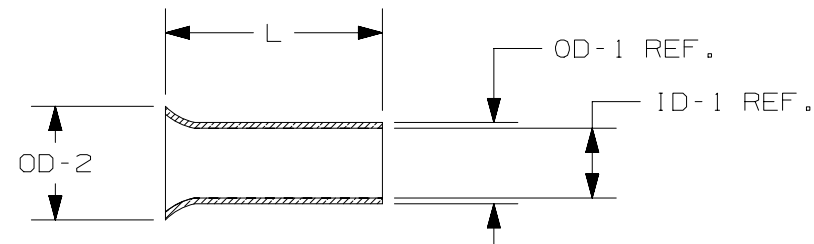


REV	DATE	BY	CHK	APR	DESCRIPTION	ECN
20	3.29.17	TMR	TMR	RGB	ADDED TOOL INFORMATION RELATED TO CT-2500 TOOL	A41670
19	11.9.16	JHNU	JLOV	RGB	ADDED CT-1090, CT-2300, CT-1160, CT-1170, F91 OD-1 CORRECTED	A41670
18	8.17.16	JHNU	JLOV	RGB	ADDED CT-2523CH, CT-2504CH	A41670
17	10.15.15	JHNU	TMR	RGB	REVISED NOTE 1B: 302° WAS 221°	A41670
16	6.05.15	TMR	TMR	RGB	ADDED WIRE CLASSES TO TABLE AND REVISED UL TOOL INFO	A41670
15	03.09.15	JHNU	TMR	RGB	F76 WAS 20AWG, F77 WAS 18AWG	A41670
14	03.04.15	TMR	TMR	RGB	F94 AWG SIZE WAS 400	A41670
13	12.05.14	JHNU	TMR	RGB	ADDED cULus LOGO REVISED NOTE 1A	A41670

TITLE		FERRULES - BARE, NO SLEEVE SHEET 1 OF 2	
ITEM REVISION NAME		N41670BA/20	
DATASET FILE NAME		N41670BA_DC/20	
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]		MATERIAL:	
.X ± .XXX ± .XX ± ANGLES ±		SEE NOTES	
THIRD ANGLE PROJECTION		DRAWING NUMBER:	
A41670		A41670	
DRAWN BY	DATE	CHK	SCALE
JKD	2/10/99	SKB	N.T.S.
SHT 1 OF 2			SIZE
SHT 1 OF 2			B

PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS
	AWG	[mm ²]			L	ID-1 (REF.)	OD-1 (REF.)	OD-2	
F84-12	6	[16,0]	15/32 [12,0]	G, H, I, K, M	0.47 [12,0]	0.23 [5,8]	0.24 [6,2]	0.30 [7,5]	++CT-1004 CT-1104 #CT-2504CH
F84-15			19/32 [15,0]		0.59 [15,0]	0.23 [5,8]	0.24 [6,2]	0.30 [7,5]	
F84-18			23/32 [18,0]		0.71 [18,0]	0.23 [5,8]	0.24 [6,2]	0.30 [7,5]	
F84-20			25/32 [20,0]		0.79 [20,0]	0.23 [5,8]	0.24 [6,2]	0.30 [7,5]	
F84-25			31/32 [25,0]		0.98 [25,0]	0.23 [5,8]	0.24 [6,2]	0.30 [7,5]	
F84-32			1-1/4 [32,0]		1.26 [32,0]	0.23 [5,8]	0.24 [6,2]	0.30 [7,5]	
F85-12	4	[25]	15/32 [12,0]	G, H, I, K, M	0.47 [12,0]	0.29 [7,3]	0.30 [7,7]	0.37 [9,5]	CT-1005
F85-15			19/32 [15,0]		0.59 [15,0]	0.29 [7,3]	0.30 [7,7]	0.37 [9,5]	
F85-18			23/32 [18,0]		0.71 [18,0]	0.29 [7,3]	0.30 [7,7]	0.37 [9,5]	
F85-25			31/32 [25,0]		0.98 [25,0]	0.29 [7,3]	0.30 [7,7]	0.37 [9,5]	
F85-32			1 1/4 [32,0]		1.26 [32,0]	0.29 [7,3]	0.30 [7,7]	0.37 [9,5]	
F86-18	2	[35]	23/32 [18,0]	G, H, I, K, M	0.71 [18,0]	0.33 [8,3]	0.34 [8,7]	0.43 [11,0]	CT-1005
F86-20			25/32 [20,0]		0.79 [20,0]	0.33 [8,3]	0.34 [8,7]	0.43 [11,0]	
F86-25			31/32 [25,0]		0.98 [25,0]	0.33 [8,3]	0.34 [8,7]	0.43 [11,0]	
F86-32			1 1/4 [32,0]		1.26 [32,0]	0.33 [8,3]	0.34 [8,7]	0.43 [11,0]	

* NOT UL LISTED, UL486F SCOPE IS 20 - 1/0 AWG ONLY
 ++ TOOL/PART COMBINATION IS NOT UL LISTED
 ** DIES USED WITH CT-3001 OR CT-3001/E TOOL
 # CRIMP HEAD USED WITH CT-2500 TOOL



NOTES:

- USED FOR:
 - UL LISTED WITH STRANDED COPPER WIRE 20 - 1/0 AWG ONLY
 - 302°F [150°C] MAX. OPERATING TEMPERATURE
- MATERIAL:
 - STAMPING: COPPER, TIN PLATED
- SEE www.panduit.com FOR PACKAGE QUANTITIES
- DIMENSIONS IN BRACKETS ARE METRIC EQUIVALENT
- FOR TOLERANCING REFER TO DIN 46228 PART 1

PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS/DIES
	AWG	[mm ²]			L	ID-1 (REF.)	OD-1 (REF.)	OD-2	
F87-18	1-1/0	[50]	23/32 [18,0]	G, H, DLO, I, K, M	0.71 [18,0]	0.41 [10,3]	0.43 [10,9]	0.51 [13,0]	CT-1006 **CD-2001-F87
F87-22			7/8 [22,0]		0.87 [22,0]	0.41 [10,3]	0.43 [10,9]	0.51 [13,0]	
F87-25			31/32 [25,0]		0.98 [25,0]	0.41 [10,3]	0.43 [10,9]	0.51 [13,0]	
F87-32			1 1/4 [32,0]		1.26 [32,0]	0.41 [10,3]	0.43 [10,9]	0.51 [13,0]	
* F89-25			2/0		[70]	31/32 [25,0]	H, DLO, I, K, M	0.98 [25,0]	
* F89-32	1 1/4 [32,0]	1.26 [32,0]		0.49 [12,5]		0.52 [13,3]		0.59 [15,0]	
* F90-25	3/0	[95]	31/32 [25,0]	H, DLO, I, K, M	0.98 [25,0]	0.57 [14,5]	0.60 [15,3]	0.67 [17,0]	**CD-2001-F90
* F90-30			1 3/16 [30,0]		1.18 [30,0]	0.57 [14,5]	0.60 [15,3]	0.67 [17,0]	
* F90-32			1 1/4 [32,0]		1.26 [32,0]	0.57 [14,5]	0.60 [15,3]	0.67 [17,0]	
* F91-32	4/0-250	[120]	1 1/4 [32,0]	H, DLO, I, K, M	1.26 [32,0]	0.65 [16,5]	0.69 [17,5]	0.75 [19,0]	**CD-2001-F91
* F91-40			1 19/32 [40,0]		1.57 [40,0]	0.65 [16,5]	0.69 [17,5]	0.75 [19,0]	
* F92-32	300	[150]	1 1/4 [32,0]	H, DLO, I, K, M	1.26 [32,0]	0.73 [18,5]	0.77 [19,5]	0.83 [21,0]	**CD-2001-F92
* F92-38			1 1/2 [38,0]		1.50 [38,0]	0.73 [18,5]	0.77 [19,5]	0.83 [21,0]	
* F93-32	350	[185]	1 1/4 [32,0]	H, DLO, I, K, M	1.26 [32,0]	0.79 [20,0]	0.83 [21,2]	0.93 [23,5]	**CD-2001-F93
* F93-40			1 19/32 [40,0]		1.57 [40,0]	0.79 [20,0]	0.83 [21,2]	0.93 [23,5]	
* F94-40	500	[240]	1 19/32 [40,0]	H, DLO, I, K, M	1.57 [40,0]	0.90 [22,8]	0.94 [24,0]	1.02 [25,8]	**CD-2001-F94



TITLE				FERRULES - BARE, NO SLEEVE SHEET 2 OF 2 CUSTOMER DRAWING			
ITEM REVISION NAME				N41670BA/20			
DATASET FILE NAME				N41670BA_DC/20			
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]				MATERIAL: SEE NOTES			
DRAWN BY				DRAWING NUMBER: A41670			
DATE				SCALE			
2/10/99				N.T.S.			
CHK				SHT 2 OF 2			
SKB				B			