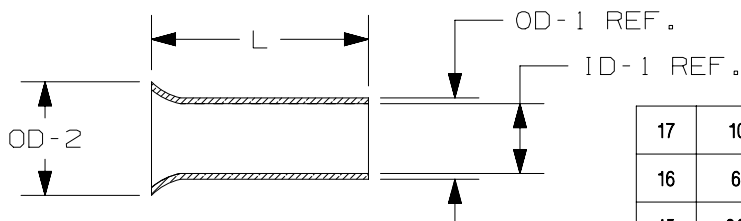


PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS
	AWG	[mm <sup>2</sup> ]			L	ID-1 (REF.)	OD-1 (REF.)	OD-2	
* F73-5	24	[0,25]	7/32 [5,0]	B, K, M	0.20 [15,0]	0.03 [0,8]	0.04 [1,1]	0.07 [1,7]	CT-1002 CT-1123
* F73-7			9/32 [7,0]		0.28 [7,0]	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-1123
+ 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 [2,31]	
F76-8			5/16 [8,0]		0.31 [8,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,31]	
F76-10			13/32 [10,0]		0.39 [10,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,31]	
F76-12			15/32 [12,0]		0.47 [12,0]	0.05 [1,2]	0.06 [1,5]	0.09 [2,31]	
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]	
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]	
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 IS NOT A UL LISTED COMBINATION  
 \*\* DIES USED WITH CT-3001 OR CT-3001/E 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](http://www.panduit.com) FOR PACKAGE QUANTITIES
- DIMENSIONS IN BRACKETS ARE METRIC EQUIVALENT
- FOR TOLERANCING REFER TO DIN 46228 PART 1

REV	DATE	BY	CHK	APR	DESCRIPTION	ECN
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
12	04.15.13	BDK	TMR	RTFI	ADDED DIE REFERENCES AND NOTE. F91 METRIC WIRE RANGE WAS [250]. WIRE STRIP LENGTH FOR F91-40, F93-40, F94-40 WAS 1 3/4 [44,0] AND DIM L WAS 1.57 [44,0]	A41670
11	01.19.13	BDK	BCT	VMB	REVISED AND REDRAWN; ADDED CSA LOGO	A41670

PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS
	AWG	[mm <sup>2</sup> ]			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-1123
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]	
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-1123
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	8	[10,0]	15/32 [12,0]	G, H, I, K, M	0.47 [12,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]	++CT-1003 ++CT-1004 CT-1104 CT-1123
F83-15			19/32 [15,0]		0.59 [15,0]	0.18 [4,5]	0.19 [4,9]	0.23 [5,8]	
F83-18			23/32 [18,0]		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]	



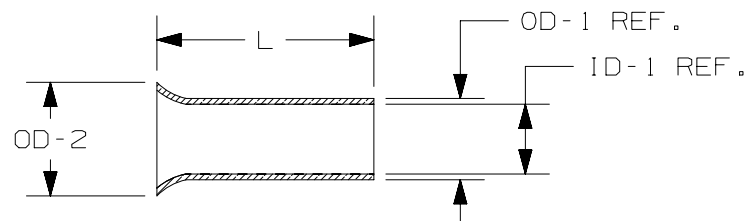
LISTED  
E472545

CERTIFIED  
LR31212

TITLE		FERRULES - NO SLEEVE SHEET 1 OF 2	
ITEM REVISION NAME		N41670BA/17	
DATASET FILE NAME		N41670BA_DC/17	
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]		MATERIAL: SEE NOTES	
DRAWING NUMBER: A41670		DRAWING NUMBER: A41670	
DRAWN BY	DATE	CHK	SCALE
JKD	2/10/99	SKB	N.T.S.
SHT 1 OF 2		SIZE B	

PANDUIT PART #	WIRE RANGE		WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm]				INSTALLATION TOOLS
	AWG	[mm <sup>2</sup> ]			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
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  
 + UL LISTED WITH 20 AWG ONLY  
 ++ TOOL/PART IS NOT A UL LISTED COMBINATION  
 \*\* DIES USED WITH CT-3001 OR CT-3001/E 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](http://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 <sup>2</sup> ]			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 [16,5]	0.75 [19,0]	**CD-2001-F91
* F91-40			1 19/32 [40,0]		1.57 [40,0]	0.65 [16,5]	0.69 [16,5]	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



LISTED  
E472545



CERTIFIED  
LR31212

TITLE					FERRULES - NO SLEEVE SHEET 2 OF 2 CUSTOMER DRAWING				
ITEM REVISION NAME					N41670BA/17				
DATASET FILE NAME					N41670BA_DC/17				
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]					MATERIAL:				
.X ±					.XXX ±				
.XX ±					ANGLES ±				
THIRD ANGLE PROJECTION					DRAWING NUMBER:				
A					A41670				
DRAWN BY	DATE	CHK	SCALE	SHT 2 OF 2					
JKD	2/10/99	SKB	N.T.S.	B					