THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.

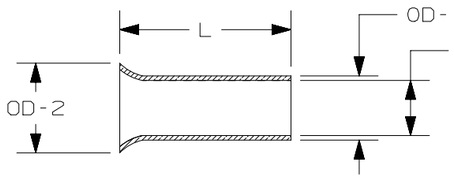
PANDUIT PART #	WIRE RANGE AWG	WIRE RANGE [mm²]	WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm] L	ID-1 (REF.)	OD-1 (REF.)	OD-2	INSTALLATION TOOLS
* F73-5	24	[0,25]	7/32 [5,0]	B, K, M	0.20 [15,0]	0.03 [0,8]	0.04 [1,1]	0.07 [1,7]	CT-1002 CT-1123
* F73-7			9/32 [7,0]		0.28 [7,0]	0.03 [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]	

PANDUIT PART #	WIRE RANGE AWG	WIRE RANGE [mm²]	WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm] L	ID-1 (REF.)	OD-1 (REF.)	OD-2	INSTALLATION TOOLS
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]	
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]	

* 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

LISTED E472545

CERTIFIED LR31212



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

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

TITLE
FERRULES - NO SLEEVE
SHEET 1 OF 2
CUSTOMER DRAWING

ITEM REVISION NAME: N41670BA/17
DATASET FILE NAME: N41670BA_DC/17

UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]
.X ± .XXX ±
.XX ± ANGLES ±
THIRD ANGLE PROJECTION

MATERIAL: SEE NOTES

DRAWING NUMBER: A41670

DRAWN BY	DATE	CHK	SCALE	SIZE
JKD	2/10/99	SKB	N.T.S.	B

SHT 1 OF 2

THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.

PANDUIT PART #	WIRE RANGE AWG	WIRE RANGE [mm²]	WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm] L	ID-1 (REF.)	OD-1 (REF.)	OD-2	INSTALLATION TOOLS
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]	

PANDUIT PART #	WIRE RANGE AWG	WIRE RANGE [mm²]	WIRE STRIP LENGTH +1/32 -0 [+0,8 -0]	WIRE CLASS	DIMENSIONS in. [mm] L	ID-1 (REF.)	OD-1 (REF.)	OD-2	INSTALLATION TOOLS/DIES
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]	0.49 [12,5]	0.52 [13,3]	0.59 [15,0]	**CD-2001-F89
* 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

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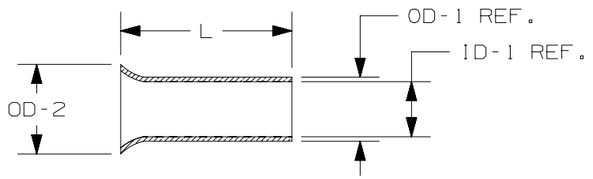
** DIES USED WITH CT-3001 OR CT-3001/E TOOL



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

c UL us 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]
.X ± .XXX ±
.XX ± ANGLES ±
THIRD ANGLE PROJECTION

MATERIAL: SEE NOTES
DRAWING NUMBER: A41670

DRAWN BY	DATE	CHK	SCALE	SIZE
JKD	2/10/99	SKB	N.T.S.	B

SHT 2 OF 2