



CNF1-45

Heavy Duty Copper Compression Cable Lug - Flared Entry Standard Barrel with 1 Stud Hole - 45 Degree Angled Palm

These flared entry products have been designed and third party certified to UL 486A-486B and CSA C22.2 No. 65, for high quality and reliable crimping.

Angled palm to ensure connection can be made with minimal bending of cables.

Manufactured from high purity, oxygen-free, seamless copper tube (C110/CW009A), these cable lugs are precisely dimensioned to achieve optimal crimping with suitable conductors.

The lugs are annealed to enhance durability, minimising risk of fracture between the palm and barrel. The tin coating ensures corrosion and oxidation resistance, ensuring maximum efficiency of the connection.

Standard stud hole sizes are detailed in the dimension table. Custom stud hole dimensions are available on request.

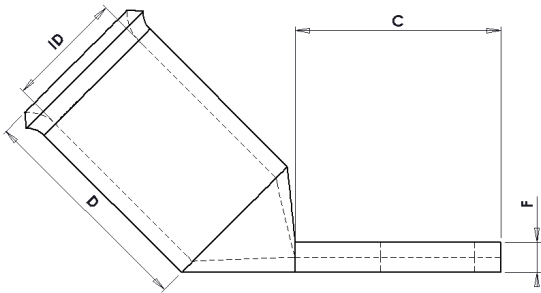
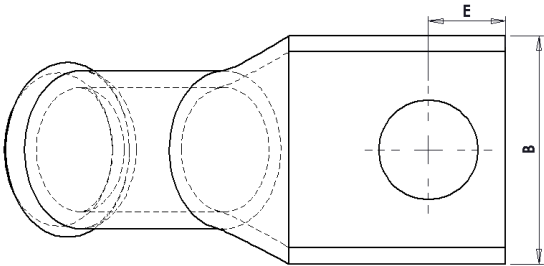
TECHNICAL DATA & CLASSIFICATION	
ETIM Classification Code	EC001051
Barrel Type	Standard
Entry Type	Flared
Lug Material	Tin Plated Copper
Number of Stud Holes	1
Palm Angle	45 Degrees
Temperature Rating	Up to 90 Degrees Celsius



FEATURES

- Sizes to suit cables 8 AWG up to 750 kcmil
- 45 degree angled palm
- Third Party Certified to UL 486A-486B and CSA C22.2 No. 65
- Manufactured from high purity (99.9%) copper seamless tube (BS EN 13600)
- Annealed and electrolytically tin plated for reliable crimping, with oxidation and corrosion resistance
- Colour coded with enhanced marking on the barrel for simple die selection, inspection and traceability
- CMP crimping die available for optimal crimping
- Flared entry to barrel for ease of conductor insertion; beneficial for fine stranded conductors
- Sold in bags; product must be ordered in bag multiples. See table on following page for bag quantities
- Crimping die index numbers match wire size; refer to CMP compatible die chart for more information





LUG IDENTIFICATION					DIMENSIONS (in)						PACK QTY
Part Number	Cable Size (AWG/MCM/kcmil)	Flex Cable Size (AWG/MCM/kcmil)	Hole Stud Size	Die Index No.	Internal Diameter (ID)	Palm Width (B)	Palm Length (C)	Barrel Length (D)	Stud Hole Distance (E)	Palm Thickness (F)	
8CNF110-45	8	8	#10	08	0.17	0.42	0.59	0.44	0.28	0.08	100
8CNF114-45	8	8	1/4	08	0.17	0.42	0.59	0.44	0.28	0.08	100
6CNF110-45	6	6	#10	06	0.2	0.42	0.67	0.71	0.3	0.08	100
6CNF114-45	6	6	1/4	06	0.2	0.42	0.67	0.71	0.3	0.08	100
6CNF1516-45	6	6	5/16	06	0.2	0.49	0.67	0.71	0.3	0.07	100
4CNF110-45	4	-	#10	04	0.25	0.49	0.67	0.71	0.31	0.08	100
4CNF114-45	4	-	1/4	04	0.25	0.49	0.67	0.71	0.31	0.08	100
4CNF1516-45	4	-	5/16	04	0.25	0.49	0.67	0.71	0.31	0.08	100
4CNF138-45	4	-	3/8	04	0.25	0.56	0.67	0.71	0.31	0.07	100
4CNF112-45	4	-	1/2	04	0.25	0.67	0.67	0.71	0.31	0.05	100
2CNF114-45	2	4	1/4	02	0.31	0.6	0.81	0.83	0.37	0.1	50
2CNF1516-45	2	4	5/16	02	0.31	0.6	0.81	0.83	0.37	0.1	50
2CNF138-45	2	4	3/8	02	0.31	0.6	0.81	0.83	0.37	0.1	50
1CNF114-45	1	2	1/4	01	0.36	0.67	0.81	0.83	0.37	0.11	50
1CNF1516-45	1	2	5/16	01	0.36	0.67	0.81	0.83	0.37	0.11	50
1CNF138-45	1	2	3/8	01	0.36	0.67	0.81	0.83	0.39	0.11	50
10CNF114-45	1/0	1	1/4	10	0.39	0.74	0.81	0.83	0.37	0.13	25
10CNF1516-45	1/0	1	5/16	10	0.39	0.74	0.81	0.83	0.37	0.13	25
10CNF138-45	1/0	1	3/8	10	0.39	0.74	0.81	0.83	0.37	0.13	25
10CNF112-45	1/0	1	1/2	10	0.39	0.74	0.81	0.83	0.37	0.13	25

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Part Number	Cable Size (AWG/MCM/ kcmil)	Flex Cable Size (AWG/MCM /kcmil)	Hole Stud Size	Die Index No.	Internal Diameter (ID)	Palm Width (B)	Palm Length (C)	Barrel Length (D)	Stud Hole Distance (E)	Palm Thickness (F)	
20CNF114-45	2/0	1/0	1/4	20	0.44	0.81	1.06	0.94	0.47	0.12	25
20CNF1516-45	2/0	1/0	5/16	20	0.44	0.81	1.06	0.94	0.47	0.12	25
20CNF138-45	2/0	1/0	3/8	20	0.44	0.81	1.06	0.94	0.47	0.12	25
20CNF112-45	2/0	1/0	1/2	20	0.44	0.81	1.06	0.94	0.47	0.12	25
30CNF114-45	3/0	2/0	1/4	30	0.49	0.9	1.06	0.98	0.47	0.13	25
30CNF1516-45	3/0	2/0	5/16	30	0.49	0.9	1.06	0.98	0.47	0.13	25
30CNF138-45	3/0	2/0	3/8	30	0.49	0.9	1.06	0.98	0.47	0.13	25
30CNF112-45	3/0	2/0	1/2	30	0.49	0.9	1.06	0.98	0.47	0.13	25
40CNF114-45	4/0	3/0	1/4	40	0.55	1	1.06	0.98	0.47	0.13	25
40CNF1516-45	4/0	3/0	5/16	40	0.55	1	1.06	0.98	0.47	0.13	25
40CNF138-45	4/0	3/0	3/8	40	0.55	1	1.06	0.98	0.47	0.13	25
40CNF112-45	4/0	3/0	1/2	40	0.55	1	1.06	0.98	0.47	0.13	25
250CNF138-45	250	4/0	3/8	250	0.59	1.09	1.06	1.06	0.47	0.15	15
250CNF112-45	250	4/0	1/2	250	0.59	1.09	1.06	1.06	0.47	0.15	15
300CNF112-45	300	250 G,H	1/2	300	0.66	1.19	1.06	1.06	0.52	0.15	15
300CNF158-45	300	250 G,H	5/8	300	0.66	1.19	1.38	1.06	0.52	0.15	15
350CNF112-45	350	250 G,H,I,K,M 262 DLO	1/2	350	0.7	1.28	1.06	1.1	0.52	0.17	15
350CNF158-45	350	250 G,H,I,K,M 262 DLO	5/8	350	0.7	1.28	1.38	1.1	0.52	0.17	15
400CNF112-45	400	300 G,H,I,K,M 313 DLO	1/2	400	0.76	1.39	1.46	1.18	0.52	0.18	10
400CNF158-45	400	300 G,H,I,K,M 313 DLO	5/8	400	0.76	1.39	1.46	1.18	0.52	0.18	10
500CNF112-45	500	350 G,H,I,K,M 373 DLO	1/2	500	0.83	1.54	1.38	1.38	0.52	0.22	5
500CNF158-45	500	350 G,H,I,K,M 373 DLO	5/8	500	0.83	1.54	1.38	1.38	0.52	0.22	5
600CNF112-45	600	400 G,H,I,K,M 444 DLO	1/2	600	0.93	1.72	1.46	1.5	0.52	0.25	5
600CNF158-45	600	400 G,H,I,K,M 444 DLO	5/8	600	0.93	1.72	1.46	1.5	0.69	0.25	5
750CNF158-45	750	600 G,H,I 646 DLO	5/8	750	1.03	1.9	1.85	1.85	0.69	0.27	1

