



A RANGE OF
**CUTTING
CRIMPING**
MULTI PURPOSE
**HYDRAULIC
TOOLS FOR**
ELECTRICAL
INDUSTRY





INTRODUCTION

Our product catalogue contains a wide range of cutting, crimping and other multipurpose hydraulic tools which are being generally used in the Electrical Industry. A brief technical write up is here to ensure a PERFECT CRIMPED JOINT always as a JOINT can be considered as the NERVE CENTRE of an Electrical System.

The most commonly used Crimping methods are Indent style and Hexagonal type. Indent style crimping method is usually used for crimping fine stranded and compacted conductors. This style of crimp yields great pullout resistance and good electrical performance when correctly made with a properly sized tool for the cable and connector. As the strands are formed tightly together inside the connector, nearly all air gaps are removed from the conductor. However, it is more difficult to check if an indent style crimp has been properly made compared to hex-style crimps.

Hexagonal type the most common type of crimp, create strong mechanical connections. The advantage of this style crimp is that force is applied consistently from all directions over a larger area during crimping, preventing any damage to the conductors. This style crimp is an industry standard for aluminum and copper cables up to 1000mm². Hex-style crimps yield superior electrical performance in addition to great pullout strength.

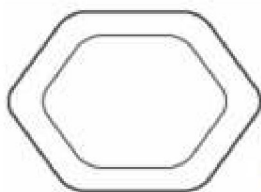


Indent Crimp Profile

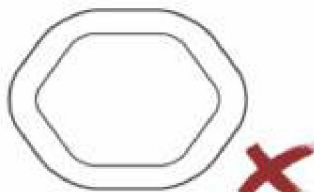


Hexagonal Crimp Profile

QUICK REFERENCE WHICH TELLS YOU THE CRIMP QUALITY



Acceptable



Not Acceptable-under Crimped



Not Acceptable-over Crimped



RECOMMENDED CRIMPING POSITIONS



INTERNATIONAL WIRE GAUGES & CONVERSIONS

WIRE GAUGE	DIE CODE	Sq. mm.	JIS	DIN
30AWG		0.05		
28AWG		0.08		
26AWG		0.13		
24AWG		0.20		
22AWG		0.32		
20AWG		0.52		
18AWG		0.81		0.9
16AWG		1.32	1.25	1.5
14AWG		2.08	2	2
12AWG		3.33		4
10AWG		5.27	5.5	6
8AWG	RED	8.30	8	10
6AWG	Blue	13.30	14	16
5AWG		16.78		
4AWG	Bray	21.09	22	25
3AWG	White	26.57		
2AWG	Brown	33.94	38	35
1AWG	Green	42.22		
1/0	Pink	53.52	60	50
2/0	Black	67.51		70
3/0	Orange	85.16	80	95
4/0	Purple	107.22	100	
250MCM	Yellow	126.68	125	120
300MCM	White	152.01	150	150
350MCM	Red	177.38		185
400MCM	Blue	202.68	200	240
500MCM	Brown	253.35	250	
600MCM	Green	304.02	325	300
700MCM		354.69		
750MCM	Black	380.03		
800MCM		405.36	400	400
900MCM		453.03		
1000MCM	White	506.70	500	500
1500MCM	Green	13.5		
1750MCM	Gray	17.5		
2000MCM	Brown	20.5		