

# INFORMATION SHEET

## SERIES CPM

### COMPRESSION ADAPTERS FOR ALUMINUM OR COPPER CONDUCTORS TO MECHANICAL LUGS RATE 90° C -- AL9CU 600 VOLTS MAX

The U.L. listing for the IlSCO CPM Series adapter is contingent upon its use in accordance with the instructions contained on this sheet.

The CPM Series adapters are clearly marked with the catalog number, wire size, IlSCO die number and are color coded for proper die selection. They are also marked for the proper number and location of crimps.

**DIELESS CRIMP TOOLS MUST NOT BE USED TO CRIMP THE CPM ADAPTORS.**

†IlSCO ILC-12 series includes: ILC-12-N, ILC-12H-N, ILCB-12-N, ILCB-12-LIO

\*Overlap Compressions

Standard Catalog Number	Conductor Size	Copper Pin Size	Die Color Code	Tooling Information										Cover Furnished With Connector
				IlSCO ILC-12 series†, ILC-15H, TR-12U1000, TM-12U1000, TB-12U1000 series		T & B 13642, 21940, TBM 15		Burndy Y35, Y39, Y45, Y46, Y750, PAT750 series		UTILCO UR-U42, UM-U42, BLL-U42-P series		Ridgid RE 12-M		
				Index	Crimp	Die	Crimp	Index	Crimp	Index	Crimp	Index	Crimp	
CPM-6	6 AWG	#8	ORANGE	9	3	50	2	297	2	9	3	9	3	CCC-1
CPM-4	4 AWG	#6	ORANGE	9	3	50	2	297	2	9	3	9	3	
CPM-2	2 AWG	#4	ORANGE	9	3	50	2	297	2	9	3	9	3	
CPM-1	1 AWG	#3	ORANGE	9	3	50	2	297	2	9	3	9	3	CCC-2
CPM-1/0	1/0 AWG	#2	WHITE	12	1	76	2	324	2	12	1	12	1	
CPM-2/0	2/0 AWG	#1	WHITE	12	1	76	2	324	2	12	1	12	1	
CPM-3/0	3/0 AWG	1/0	WHITE	12	1	76	2	324	2	12	1	12	1	
CPM-4/0	4/0 AWG	2/0	WHITE	12	1	76	2	324	2	12	1	12	1	CCC-3
CPM-250	250 kcmil	3/0	BROWN	14	2*	87H	2	299	2*	14	2*	14	2*	
CPM-300	300 kcmil	4/0	BROWN	14	2*	87H	2	299	2*	14	2*	14	2*	
CPM-350	350 kcmil	4/0	BROWN	14	2*	87H	2	299	2*	14	2*	14	2*	CCC-4
CPM-400	400 kcmil	250	PINK	16A	2*	106H	2	300	3	16A	2*	16A	2*	
CPM-500	500 kcmil	350	PINK	16A	2*	106H	2	300	3	16A	2*	16A	2*	CCC-5
CPM-600	600 kcmil	350	YELLOW	18	3	115H	3	936	3	18	3	18	3	
CPM-750	750 kcmil	500	YELLOW	18	3	115H	3	936	3	18	3	18	3	CCC-4
CPML-500	500 kcmil	350	PINK	16A	2*	106H	2	300	3	16A	2*	16A	2*	
CPML-600	600 kcmil	350	YELLOW	18	3*	115H	3	936	3	18	3*	18	3*	
CPML-750	750 kcmil	500	YELLOW	18	3*	115H	3	936	3	18	3*	18	3*	CCC-5

<p>1. Select CPM adapter for the wire size to be used. CPM adapters can be used with concentric, compressed or compact aluminum conductor, or copper conductor.</p>	<p>2. Strip the wire insulation using an approved method. Do not nick or ring the conductor. Be sure and remove any mylar coating on the wire.</p>	<p>3. Remove surface oxides from the conductor by cleaning it with a wire brush or wire cleaner.</p>	<p>4. Insert conductor all the way into the barrel of the CPM adapter.</p>	<p>5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress from copper pin toward conductor at the first inked line. Remove flash and excess De-ox before slipping provided cover in to place.</p>
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<p>1. Select CPM adapter marked for the conductor size to be terminated. The CPM adapters can be used with concentric, compressed or compact aluminum conductor or copper conductor.</p> <p>2. Check length of copper pin in the CPM adapter with the connector to be used so good contact between the copper pin and connector is maintained.</p>	<p>3. With insulating cover or CPM adapter, check to be sure there is no interference in any direction between the insulating cover and surrounding material.</p> <p>4. Be sure the CPM adapter does not reduce the wire bending space as required by table 373-6 (a) of the N.E.C.</p>	<p>5. Bend conductor to fit before installing the CPM adapter.</p> <p>6. See instructions above to crimp CPM adapter to the conductor.</p> <p>7. Insert copper pin of the CPM adapter into the connector body and tighten to equipment manufacturers recommended tightening torque.</p>
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