Copper Metric Compression Lugs
ILCMx Series

PANDUIT™
PRODUCT BULLETIN



Industrial and infrastructure projects depend on secure, standards-compliant electrical terminations to maintain system reliability, reduce downtime, and support safe operation. Yet selecting the right metric compression lug can be challenging when application requirements vary by conductor size, stud-hole configuration, environmental conditions, and regional standards. To help simplify specification and installation, Panduit has introduced the ILCMx Copper Metric Compression Lug portfolio—a comprehensive range of high-conductivity, electro-tin plated lugs designed for global power and grounding applications. Featuring expanded SKU coverage, compliance with key international standards, and clear barrel markings that identify recommended crimp locations, the ILCMx family helps engineers, contractors, OEMs, and installers improve installation consistency, reduce rework, and achieve reliable long-term electrical performance across industrial, energy, transportation, utility, and infrastructure environments.

Explore the expanded ILCMx portfolio below to identify the appropriate metric compression lug for your application and take advantage of enhanced installation efficiency, reliable performance, and global product availability.

DESIGNED FOR INSTALLATION EFFICIENCY

Electro-tin plated finish:	Improves corrosion resistance in harsh industrial, marine, renewable, and outdoor environments.
Precision engineered barrel design:	Delivers consistent crimp performance and long-term connection reliability.
Clear barrel markings with crimp inspection lines:	Simplifies installation by providing recommended crimp locations, helping improve installation consistency, reduce rework, and support reliable long-term electrical performance.
Expanded metric portfolio coverage:	Supports a broader range of conductor sizes and stud-hole configurations for global applications.

KEY FEATURES & BENEFITS

High-conductivity copper construction:	Provides excellent electrical conductivity to support efficient power transfer and reduce heat generation.
International standards compliance:	Supports customer confidence with compliance to key IEC, UL, and regional standards.
Compatible with Panduit tooling solutions:	Enables repeatable, high-quality installations with trusted Panduit crimping systems.
Reliable high-current performance:	Supports critical power and grounding applications requiring dependable electrical connections.
Designed for industrial & infrastructure applications:	Ideal for switchgear, control panels, transformers, BESS, data centers, utilities, and OEM equipment.

TECHNICAL INFORMATION

Material:	High-conductivity Copper, Electro-tin plated for superior corrosion resistance
Durability rating:	• Designed for indoor and outdoor industrial environments • Corrosion-resistant tin plating for harsh applications • Suitable for high-vibration electrical installations • Long-term electrical reliability under demanding operating conditions
Service temperature:	Rated for continuous operating temperatures up to 90°C
Color:	Tin silver finish

APPLICATIONS

Panduit ILCMx Copper Metric Compression Lugs provide reliable electrical terminations for critical power and grounding systems where long-term performance, safety, and installation consistency are essential. Designed for demanding industrial and infrastructure environments, they support dependable connections in applications exposed to high currents, vibration, corrosion, and harsh operating conditions.



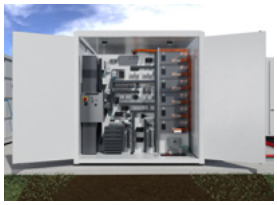
Switchgear and Electrical Distribution Equipment



Industrial Control Panels and OEM Equipment



Renewable Energy Systems (Solar and Wind)



Battery Energy Storage Systems (BESS)



Data Center Power Infrastructure

ORDERING INFORMATION

ILCMA Series

Part Number	Copper Conductor Size (mm^2)	Tongue Angle	Barrel Type	Inspection Window	Stud Hole Size (mm)	No. of Holes	Stud Hole Spacing (mm)	Tongue Width (mm)	Barrel Length (mm)	Overall Length (mm)
ILCMA6-5-C	6	Straight	Standard	Yes	M5	1	–	10.3	10.0	26.0
ILCMA6-6-C					M6					
ILCMA6-8-C					M8			13.9		29.0
ILCMA6-10-C					M10					
ILCMA10-5-C	10				M5			11.9	11.5	27.5
ILCMA10-6-C					M6					
ILCMA10-8-C					M8			13.5		30.5
ILCMA10-10-C					M10			15.0		
ILCMA16-6-C	16				M6			11.9	12.0	27.5
ILCMA16-8-C					M8			13.5		31.0
ILCMA16-10-C					M10			16.0		32.0
ILCMA25-6-C	25				M6			14.0	13.5	34.0
ILCMA25-8-C					M8					
ILCMA25-10-C					M10			16.0		37.0
ILCMA35-6-C	35				M6			16.5	16.0	39.0
ILCMA35-8-C					M8					
ILCMA35-10-C					M10					43.0
ILCMA35-12-C					M12			18.0		
ILCMA50-6-L	50				M6				20.0	45.0
ILCMA50-8-L					M8					
ILCMA50-10-L					M10					49.0
ILCMA50-12-L					M12					

ILCMA Series

Part Number	Copper Conductor Size (mm^2)	Tongue Angle	Barrel Type	Inspection Window	Stud Hole Size (mm)	No. of Holes	Stud Hole Spacing (mm)	Tongue Width (mm)	Barrel Length (mm)	Overall Length (mm)
ILCMA70-6-L	70	Straight	Standard	Yes	M6	Yes	–	21.5	20.0	47.6
ILCMA70-8-L					M8					
ILCMA70-10-L					M10					51.6
ILCMA70-12-L					M12					
ILCMA70-10F-L		90°			M10			20.0	21.0	–
ILCMA70-8H-L		45°			M8			21.5	20.0	
ILCMA95-6-L	95	Straight			M6			24.7	22.0	55.8
ILCMA95-8-L					M8					
ILCMA95-10-L					M10					
ILCMA95-12-L					M12					66.8
ILCMA95-16-L					M16					
ILCMA95-10H-L		45°			M10			22.0	21.8	–
ILCMA120-8-L	120	Straight			M8			29.0	27.0	71.5
ILCMA120-10-L					M10					
ILCMA120-12-L					M12					
ILCMA120-16-L					M16					
ILCMA120-10F-L		90°			M10					–
ILCMA150-8-X	150	Straight			M8			30.4	32.0	78.0
ILCMA150-10-X					M10					
ILCMA150-12-X					M12					
ILCMA150-16-X					M16					
ILCMA185-10-X	185				M10			34.0	34.0	84.0
ILCMA185-12-X					M12					
ILCMA185-16-X					M16					
ILCMA240-10-X	240				M10			38.5	37.0	90.0
ILCMA240-12-X					M12					
ILCMA240-16-X					M16					
ILCMA240-16F-X		90°			M16				38.0	–
ILCMA300-10-5	300	Straight			M10			41.0	40.0	96.0
ILCMA300-12-5					M12					
ILCMA300-16-5					M16					
ILCMA400-12-5	400				M12			47.8	37.0	104.7
ILCMA400-16-5					M16					
ILCMA500-12-1	500				M12			54.8	46.5	115.5
ILCMA500-16-1					M16					
ILCMA630-16-1	630							64.0	50.0	133.1

ILCMB Series

Part Number	Copper Conductor Size (mm^2)	Tongue Angle	Barrel Type	Inspection Window	Stud Hole Size (mm)	No. of Holes	Stud Hole Spacing (mm)	Tongue Width (mm)	Barrel Length (mm)	Overall Length (mm)
ILCMB10-6-C	10	Straight	Long	No	M6	1	–	11.9	19.0	35.0
ILCMB10-8-C					M8			13.5		38.0
ILCMB16-6-C	16				M6			11.9	23.0	39.0
ILCMB16-8-C					M8			13.5		42.0
ILCMB16-10-C					M10			16.0		
ILCMB25-8-L	25				M8			14.0	29.0	50.0
ILCMB25-10-L					M10			16.0		53.0
ILCMB35-8-L	35				M8			16.5	30.0	54.0
ILCMB35-10-L					M10					58.0
ILCMB50-8-L	50				M8			18.0	35.0	60.0
ILCMB50-10-L					M10					64.0
ILCMB50-12-L					M12					
ILCMB70-8-Q	70				M8			21.5	38.4	70.0
ILCMB70-10-Q					M10					
ILCMB70-12-Q					M12					
ILCMB95-10-Q	95				M10			24.7	43.0	88.0
ILCMB95-12-Q					M12					
ILCMB95-14-Q					M14					
ILCMB120-10-X	120				M10			29.0	49.0	94.0
ILCMB120-12-X					M12					
ILCMB120-14-X					M14					
ILCMB150-10-X	150				M10			30.4	56.0	102.0
ILCMB150-12-X					M12					
ILCMB185-10-X	185				M10			34.0	63.0	113.0
ILCMB185-12-X					M12					
ILCMB240-10-5	240				M10			38.5	66.0	119.0
ILCMB240-12-5					M12					
ILCMB240-16-5					M16					
ILCMB300-10-5	300				M10			41.7	77.0	133.0
ILCMB300-12-5					M12					
ILCMB300-16-5					M16					
ILCMB400-12-5	400				M12			47.8	71.7	140.0
ILCMB400-16-5					M16					

ILCMC Series

Part Number	Copper Conductor Size (mm^2)	Tongue Angle	Barrel Type	Inspection Window	Stud Hole Size (mm)	No. of Holes	Stud Hole Spacing (mm)	Tongue Width (mm)	Barrel Length (mm)	Overall Length (mm)
ILCMC16-6-Q	16	Straight	Long	No	M6	2	45.0	13.0	28.5	117.5
ILCMC16-8-Q					M8					
ILCMC16-10-Q					M10			15.0		
ILCMC25-8-Q	25				M8			16.0		119.2
ILCMC25-10-Q					M10					
ILCMC35-10-Q	35				M10			18.3	31.7	120.0
ILCMC35-12-Q					M12					
ILCMC50-8-X	50				M8			20.5	40.0	130.0
ILCMC50-10-X					M10					
ILCMC50-12-X					M12					
ILCMC70-8-X	70				M8			21.4		
ILCMC70-10-X					M10					
ILCMC70-12-X					M12					
ILCMC95-00-X *	95				–			25.0	42.0	132.0
ILCMC95-8-X					M8					
ILCMC95-10-X					M10					
ILCMC95-12-X					M12					
ILCMC120-10-X	120				M10			29.0		135.0
ILCMC120-12-X					M12					
ILCMC150-10-X	150				M10			31.5	50.0	150.0
ILCMC150-12-X					M12					
ILCMC185-10-X	185				M10			33.0		
ILCMC185-12-X					M12					
ILCMC240-00-5 *	240				–			40.5		
ILCMC240-10-5					M10					
ILCMC240-12-5					M12					
ILCMC240-16-5					M16					
ILCMC300-00-5 *	300				–			46.0	68.0	180.0
ILCMC300-10-5					M10					
ILCMC300-12-5					M12					
ILCMC300-14-5					M14					
ILCMC300-16-5					M16					
ILCMC400-00-5 *	400				–			54.0	60.0	
ILCMC400-12-5					M12					
ILCMC400-16-5					M16					
ILCMC500-12-1	500				M12			57.0		

** to be available in 1Q2027*

Copper Metric Compression Lugs (ILCMx Series)

ILCMC Series

Part Number	Copper Conductor Size (mm^2)	Tongue Angle	Barrel Type	Inspection Window	Stud Hole Size (mm)	No. of Holes	Stud Hole Spacing (mm)	Tongue Width (mm)	Barrel Length (mm)	Overall Length (mm)
ILCMC500-14-1	500	Straight	Long	No	M14	2	45.0	57.0	60.0	180.0
ILCMC500-16-1					M16					
ILCMC630-00-1 *	630				–			64.5	62.0	
ILCMC630-16-1					M16					

ILCMD Series *

Part Number	Copper Conductor Size (mm^2)	Tongue Angle	Barrel Type	Inspection Window	Stud Hole Size (mm)	No. of Holes	Stud Hole Spacing (mm)	Tongue Width (mm)	Barrel Length (mm)	Overall Length (mm)
ILCMD120-10-X	120	Straight	Standard	No	M10	2	25.4	29.0	27.0	98.0
ILCMD120-12-X					M12					
ILCMD150-10-X	150				M10			30.4	32.0	104.0
ILCMD150-12-X					M12					
ILCMD185-12-X	185				M12		44.5	34.0	34.0	130.0
ILCMD240-12-5	240				M12			38.5	37.0	136.0
ILCMD240-14-5					M14					
ILCMD300-12-5	300				M12			41.7	40.0	141.0
ILCMD35-10-Q	35				M10		25.4	16.5	16.0	69.0
ILCMD35-12-Q					M12					
ILCMD400-12-5	400				M12		44.5	47.8	37.0	150.0
ILCMD500-12-1	500				M12			54.8	46.5	162.5
ILCMD50-10-X	50				M10		25.4	18.0	20.0	75.0
ILCMD70-10-X	70				M10			21.5		77.5
ILCMD70-12-X					M12					
ILCMD95-10-X	95				M10			24.7	22.0	82.0

** to be available in 1Q2027*

Visit our website for the complete listing of available parts, configurations, and technical specs.

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