

MICC Products



What is Mineral-Insulated Copper-Clad cable or MICC cable for short?

MICC is a specialised electrical cable made from copper conductors inside a copper sheath, insulated by inorganic magnesium oxide powder.

Approved by strict electrical codes, it is installed in areas of high fire risk where total critical fire protection is paramount. In designated fire tests representative of actual fire conditions, it has been shown that it will survive longer than the structure. In the event of a fire, the use of MICC cabling ensures installation reliability for power and control circuits of critical equipment including alarm installations, fire pumps and smoke control systems.

Our quality range of MICC accessories is the perfect partner for MICC cabling. Manufactured to the most stringent standards and the highest approved safety regulations, you can't buy better.

To complement the accessory range, we also have a superb range of MICC tools made to our usual high standard, making your job just that little bit easier.



Glands

For use on MICC cables, the glands are compatible with Zone 1 & 2 EExd flameproof enclosures.



Gland Shrouds

Available in PVC and low smoke material in a range of colours.



Clips & Saddles

C106 copper with a low smoke & fume coating available in a range of colours to secure MICC cabling.



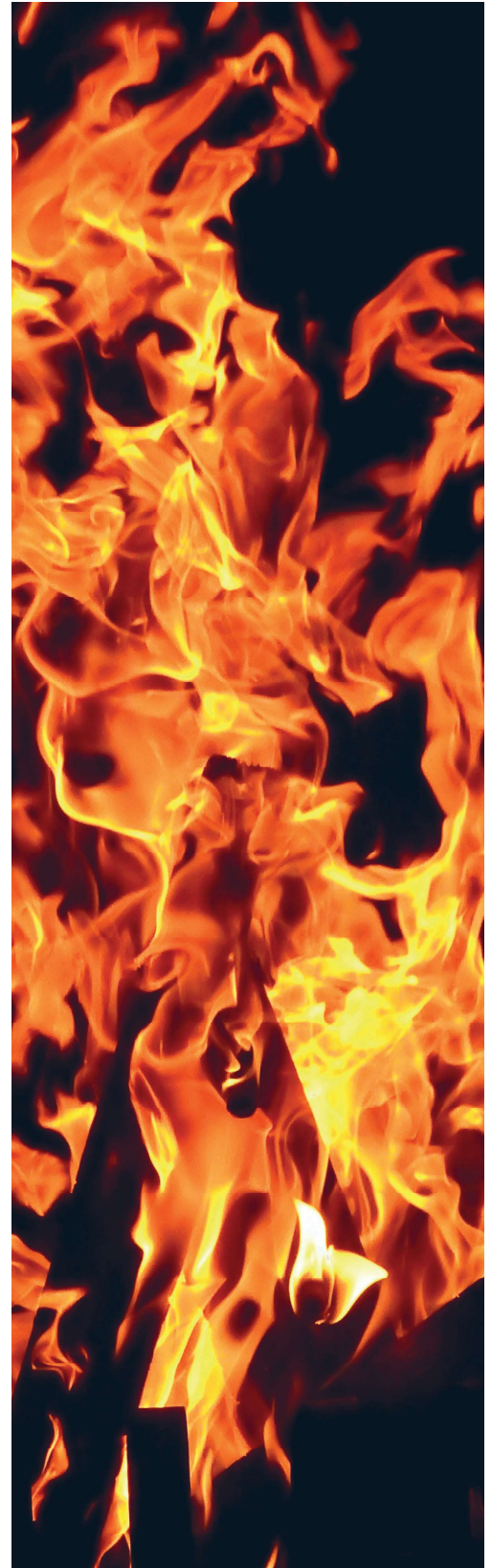
RMX – Sealing Compound

For filling cavities and making airtight/watertight joints in electrical equipment.



Pots & Seals

Comprising of pots and seals with earth tail, sealing compound and stub caps.



Fire safety products

Mineral-Insulated Products

MICC Accessories

Cable Size	Part No.				
	Gland	Standard Type Plain Seals	Pots & Seals c/w earth tails	PVC Shroud	LSF Shroud
2L1.0	RM2L1.0-10	RPS2L1.0-10	RPSL2L1.0-10	RHG20-10	RXG20-10
2L1.5	RM2L1.5-10	RPS2L1.5-10	RPSL2L1.5-10	RHG20-10	RXG20-10
2L2.5	RM2L2.5-10	RPS2L2.5-10	RPSL2L2.5-10	RHG20-10	RXG20-10
3L1.0	RM3L1.0-10	RPS3L1.0-10	RPSL3L1.0-10	RHG20-10	RXG20-10
3L1.5	RM3L1.5-10	RPS3L1.5-10	RPSL3L1.5-10	RHG20-10	RXG20-10
3L2.5	RM3L2.5-10	RPS3L2.5-10	RPSL3L2.5-10	RHG20-10	RXG20-10
4L1.0	RM4L1.0-10	RPS4L1.0-10	RPSL4L1.0-10	RHG20-10	RXG20-10
4L1.5	RM4L1.5-10	RPS4L1.5-10	RPSL4L1.5-10	RHG20-10	RXG20-10
4L2.5	RM4L2.5-10	RPS4L2.5-10	RPSL4L2.5-10	RHG20-10	RXG20-10
2L4.0	RM2L4.0-10	RPS2L4.0-10	RPSL2L4.0-10	RHG20-10	RXG20-10
-	-	-	-	RHG25-10	RXG25-10

Pack Quantities: 10

RHG20 shrouds available in orange, red, white and black
RHG25 shrouds also available in orange, white and red

Clips & Saddles

A range of clips and saddles to compliment fire resistant type cables in securing them to any range of surfaces.

Raw Material

Stamped from chamfered edge copper strip C106.

Coating (RCHL and RSFL)

Chemical type: Polyester

Application: Electrostatic spray

Dry film thickness: from 40-100 microns
(typically 50 microns)

Mechanical Properties

Adhesion (BS 3900 E3): Pass 1 mm cross-hatch, class 0

Impact Resistance (BS 3900 E3): Pass 220"/ib
indentation to 2,5mm

Flexibility (BS 3900 E11): Pass 1/4" conical mandrel

Erichsen Cupping (BS 3900 E4): Pass 8mm

Scratch Resistance (BS 3900 E2): Pass 400gms no
penetration to substrate

Cable Size	Plastic coated clips RCHJ*-50	LSF Powder coated clips RCHL*-50	Bare copper clips RC(size)-50	Plastic coated saddles RSFJ*-50	LSF Powder coated saddles RSFL*-50	Cable Diameter mm	
						Covered	Bare
2L1.0	30 (5.25)	26 (4)	20 (4)	272 (4)	272 (4)	6.4	5.1
2L1.5	32 (5.25)	28 (4)	22 (4)	302 (4)	302 (4)	7	5.7
2L2.5	34 (5.25)	30 (5.25)	26 (4)	342 (5.2)	342 (5.2)	7.9	6.6
2L4.0	40 (5.25)	37 (5.25)	30 (5.25)	382 (5.2)	382 (5.2)	9.2	7.7
3L1.0	32 (5.25)	28 (4)	22 (4)	302 (4)	302 (4)	7.1	5.8
3L1.5	34 (5.25)	32 (5.25)	24 (4)	342 (5.2)	342 (5.2)	7.7	6.4
3L2.5	37 (5.25)	34 (5.25)	28 (4)	342 (5.2)	342 (5.2)	8.8	7.3
4L1.0	34 (5.25)	32 (5.25)	24 (4)	342 (5.2)	342 (5.2)	7.6	6.3
4L1.5	37 (5.25)	24 (4)	28 (4)	342 (5.2)	342 (5.2)	8.3	7
4L2.5	43 (5.5)	40 (5.25)	32 (5.25)	422 (5.2)	422 (5.2)	9.6	8.1
7L2.5	47 (5.5)	43 (5.5)	37 (5.25)	462 (5.6)	-	-	-
2H2.5	51 (5.5)	47 (5.5)	34 (5.25)	-	-	-	-
2H10.0	-	-	47 (5.5)	-	-	-	-

Pack Quantities: 50

N.B. Hole Size in mm shown in brackets

*Suffix Black, Red, Orange, White

Fire safety products

FP200 Fire Protection Cable Accessories

FP200 Clips & Saddles Selection Chart



Cable Size mm ²	Cores	Part No.			
		Plastic Coated Clips	Plastic Coated Saddles	LSF Powder Coated Clips	LSF Powder Coated Saddles
1.0	2 core + earth	RCHJ32*-50	RSFJ302*-50	RCHL28*-50	RSFL302*-50
1.0	3 core + earth	RCHJ34*-50	RSFJ342*-50	RCHL32*-50	RSFL342*-50
1.0	4 core + earth	RCHJ37*-50	RSFJ342*-50	RCHL34*-50	RSFL342*-50
1.5	2 core + earth	RCHJ34*-50	RSFJ342*-50	RCHL32*-50	RSFL342*-50
1.5	3 core + earth	RCHJ37*-50	RSFJ342*-50	RCHL34*-50	RSFL342*-50
1.5	4 core + earth	RCHJ40*-50	RSFJ382*-50	RCHL37*-50	RSFL422*-50
2.5	2 core + earth	RCHJ40*-50	RSFJ382*-50	RCHL37*-50	RSFL422*-50
2.5	3 core + earth	RCHJ43*-50	RSFJ422*-50	RCHL37*-50	RSFL422*-50
2.5	4 core + earth	RCHJ47*-50	RSFJ462*-50	RCHL43*-50	RSFL462*-50
4.0	2 core + earth	RCHJ47*-50	RSFJ462*-50	RCHL43*-50	RSFL462*-50
4.0	3 core + earth	RCHJ47*-50	RSFJ462*-50	RCHL43*-50	RSFL462*-50
4.0	4 core + earth	RCHJ47*-50	RSFJ462*-50	RCHL43*-50	RSFL462*-50

Pack Quantity: 50

*Suffix:BLK (black), RED (red), ORA (orange), WHI (white)

	Nominal Cross Sectional Area mm ²	Construction	Mean Overall Diameter	Max. Conductor Resistance At 20°C ohms/km	Current Rating DC or Single Phase AC Enclosed Amps	Current Rating DC or Single Phase AC Clipped Direct Amps	Volt Drop DC or Single Phase AC mV / A / m
Two Core FP200	1.0	1 / 1.13	8.0	18.1	13	15	44
	1.5	1 / 1.38	8.1	12.1	16.5	19.5	29
	2.5	1 / 1.78	9.5	7.4	23	27	18
	4.0	7 / 0.85	11.6	4.6	30	36	11
Three Core FP200	1.0	1 / 1.13	8.2	18.1	13	15	44
	1.5	1 / 1.38	8.4	12.1	16.5	19.5	29
	2.5	1 / 1.78	10.4	7.4	23	27	18
	4.0	7 / 0.85	12.3	4.6	30	36	11
Four Core FP200	1.0	1 / 1.13	8.5	18.1	13	15	44
	1.5	1 / 1.38	10	12.1	16.5	19.5	29
	2.5	1 / 1.78	11.9	7.4	23	27	18
	4.0	7 / 0.85	13.5	4.6	30	36	11

FP200 Gold® is also available in multi-core versions (7, 12 and 19 core configurations)

To see a video explaining techniques and best practice scan the QR code



Fire safety products

Mineral-Insulated Products

Sealing Compound

For filling cavities and making air-tight and watertight joints, especially in electrical equipment to exclude moisture.

Type: Non-oxidizing resin/oil based compound suitably filled with inert mineral fillers.

Appearance: Grey putty-like finish

Consistency: Putty-like

Flash Point: Minimum 200°C

Temp. Range: 150°C continuous

Breakdown Strength: When tested in a cell with a 4mm gap at 18°C the compound withstood 25kV for 1 minute



Part No.	Pack Size
RMX	100g

MICC Tooling

ZSJ 'JOI STRIPPER'

For stripping cable sheath for cables 2L1.0, 2L1.5, 2L2.5, 3L1.0, 3L1.5, 4L1.0, 4L1.5



ZSJB

Replacement blade for ZSJ



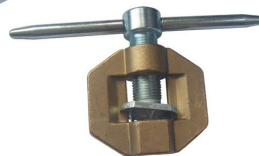
ZPM20 & ZPM25

For screwing pots onto cables



ZDC20

For crimping stub caps into pots



ZR

Ring tool for cutting cable neatly.

