



# CAPABILITY & PRODUCT GUIDE







With an Australian manufacturing heritage spanning over 60 years, Key Tubing & Electrical has an unsurpassed record of providing cost effective solutions to both national and global organisations.

**We look forward to being part of your solution.**

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# WHAT WE DO



## MANUFACTURING

Key is not only a sub component manufacturer but a full service provider. We will handle everything, from single components to managing the complete supply chain, leaving you to focus on your customers.



## DEVELOPMENT

Key has a team of engineers, technicians and tool makers to provide product development assistance to ensure manufacturing efficiency and market competitiveness.



## MEDICAL

Key have been supplying medical device manufacturers for over 20 years. We have developed in-house clean manufacturing facilities and produced specialised equipment for quality control and monitoring to suit specific documentation and reporting needs.



## QUALITY

Our focus is quality, we have extensive in-house systems and capabilities including:

- Dedicated quality assurance staff
- In-line testing equipment
- 100% testing on high risk products
- Inwards batch testing
- Development of vision recognition systems
- Error proof design
- ISO 9001



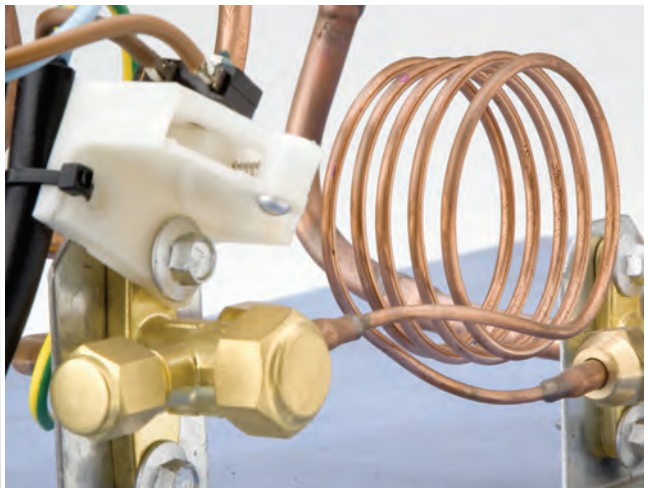
# TUBE



Key is a full service tube component supplier; from drawing tube to brass fittings to bending and final assembly, we have it all in-house.

## DESIGN AND ASSEMBLY

Tubing from concept and design to final product; whether you are a high volume supplier or deal in short runs with low volumes. We have the knowledge, skill and equipment to deliver custom and bulk tube on time, on budget and all built to exacting standards.



## CUT TO LENGTH

Tubing can be supplied in coil form or cut to required length through our Burr Oak straight tube cut off line. Using groove and pull cutting technology, providing a swarf and oil free end finish. All products supplied in coil and cut to length are eddy current tested for defect to ensure delivery of a quality product.





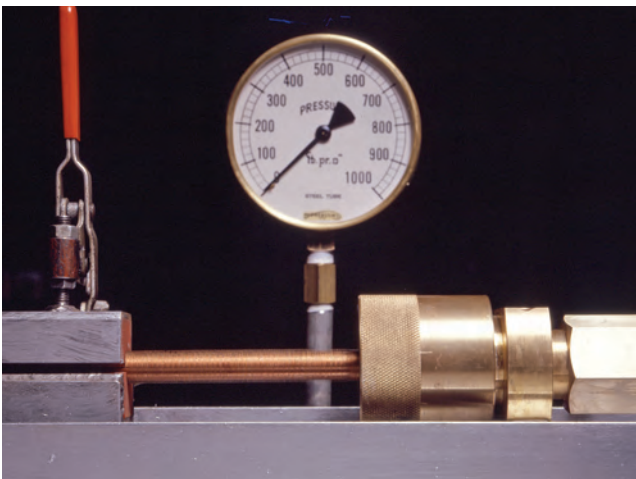
## BRAZING SOLDERING AND WELDING

Key specialises in all forms of brazing and TIG welding, working with basic components through to full manufactured assemblies. Final assemblies are comprehensively cleaned via our ultrasonic cleaning station. This removes any residue fluxes and carbons from the brazing process. Leak testing is performed as a final assurance of total quality.



## END FORMING

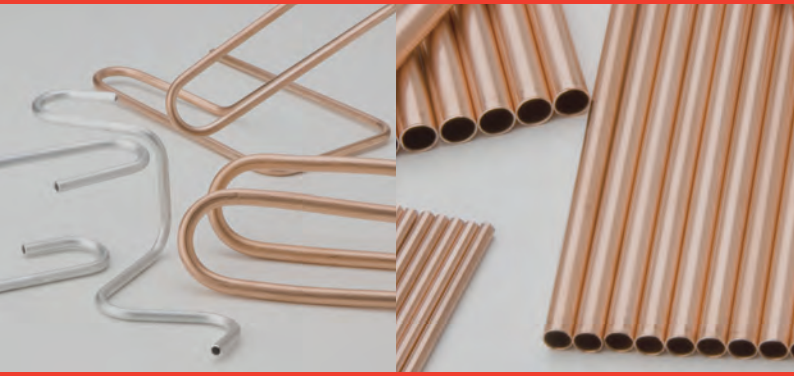
Key can provide customised end forming solutions such as flaring, expanding and deburring in addition to a full range of end spun accumulators in a range of materials and sizes.



## QUALITY AND TESTING

We pride ourselves on our quality assurance procedures and advanced testing equipment to ensure our customers receive the same product standards over and over again.

# TUBE



## BRASS AND STEEL FITTINGS AND PARTS

Key has in-house precision CNC repetitive machining capabilities and is able to produce brass, mild and stainless steel fittings, nuts, adaptors, bushes, threads, nipples, unions and sockets. Any fitting can be incorporated into your assembly making for a one stop shop, reducing cost and lead times.



## COPPER & COPPER/NICKEL FINNED TUBE

We are Australia's largest producer of copper and copper/nickel low finned tube, used widely in the mining, air conditioning and refrigeration industries. Our in-house finning process provides excellent heat exchange properties for these vital industries.

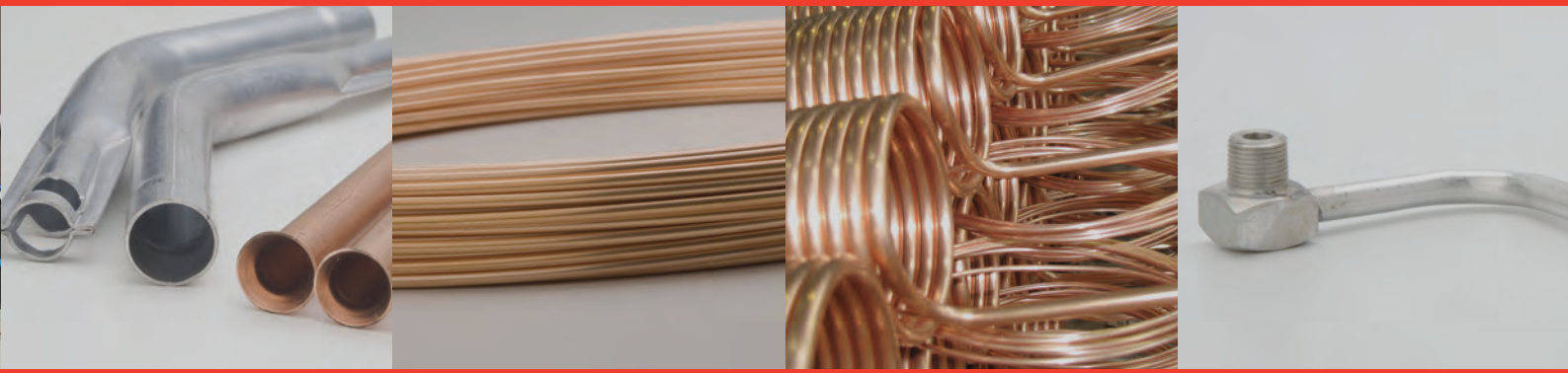


## TUBE DRAWING

Key manufactures precision drawn copper and aluminium tubing with tight dimensional tolerances and a high standard of cleanliness (as required by our many customers). This can be supplied in hard drawn or annealed using our own copper annealing ovens. In addition we can produce most combinations of outside/inside dimensions (below half an inch OD) to meet your individual requirements.







## COILING AND BENDING

Our CNC 3-axis bending equipment converts your drawing into repeatable production of tubular components. To complement our CNC bending equipment we use a metrology level CMM tube measuring system to guarantee accuracy every time. This system also supplies an X, Y & Z customer off tool sample report. We specialise in most forms of tube bending such as copper, aluminium, brass, stainless steel, Bundy tube and mild steel.



## CUSTOM COIL AND BULK COIL

Key provide an extensive range of coil in most metals and can create custom coil in all manner of sizes and diameters. We also supply bulk coil lengths and off the shelf coil standard packs in common sizes.



Beyond our standard range, Key offers customised cable or extrusion to your needs. We are experts in PVC, Teflon and Heater Cable.

## KEY MADE CABLE

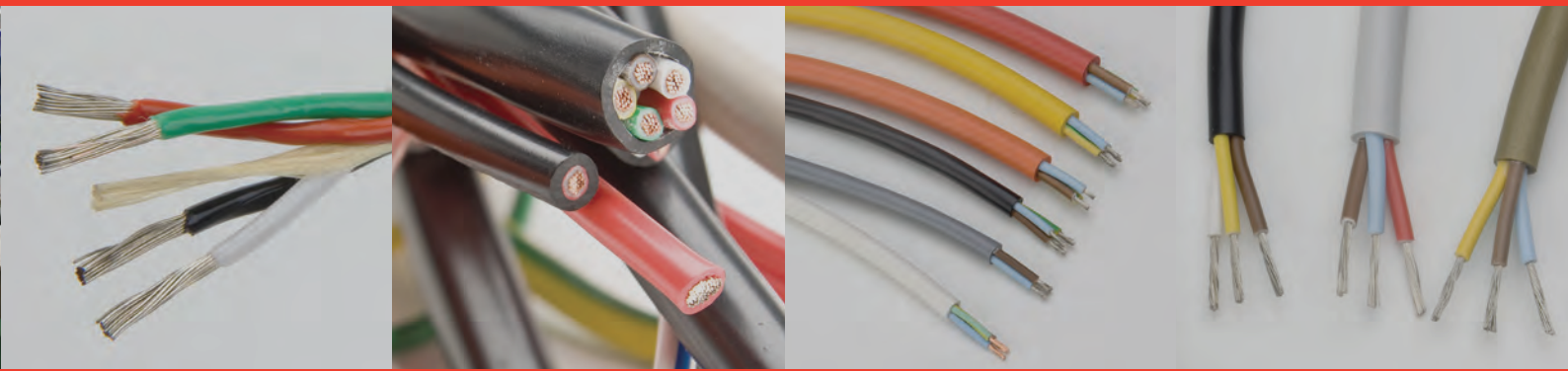
Have the flexibility and assurance of buying direct from the manufacturer. No other manufacturer will offer the convenience of MOQ's that Key can provide, allowing you greater flexibility and stock control.



## CUSTOM MADE CABLE

Key can custom make your cable to any number of core, colour, sheath or material combinations. With decades of experience in this area we can help develop a cable specifically for your needs.





## TEFLON CABLE

Teflon cable is a thin, high temperature chemical and abrasion resistant cable and is made on site for companies around the world. Talk to us about how this versatile cable could suit your needs.



## HEATER WIRE

Key's Heater Wire is used across the world in medical, white goods and scientific devices. This unique product is used in various applications but medical applications are our specialty, produced on site in our clean room.

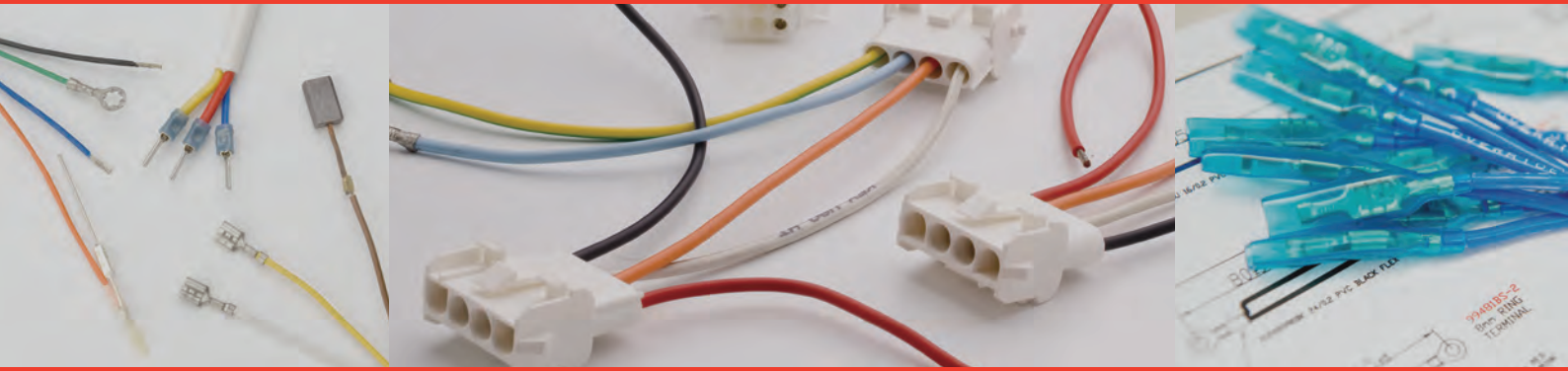


## LARGE RANGE OF STANDARD CABLE

Key manufactures and supplies a large range of cables, including;

- Single Core Flex
- Multi Core Flex
- Teflon Cable
- Auto Cable
- Silicon Cable
- H07RN-F Rubber Cable

# HARNESS



Our team of engineers, planners and toolmakers, combined with our fully integrated cable, moulding and automated cable processing facility, provides you with an unparalleled service in harness manufacturing.

## SUPERIOR CABLE RANGE

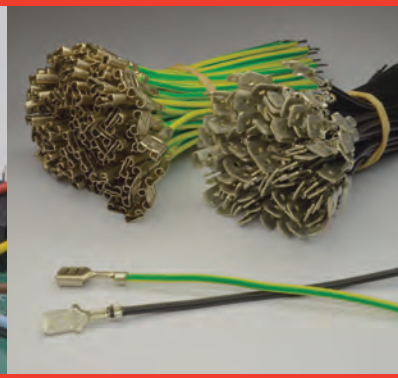
Key offers in-house manufacturing of tinned and plain copper PVC cable in almost any size and colour combination together with the ability to manufacture high temperature Teflon cable. The range and cost of cable available is unparalleled in the industry.



## CUSTOM OVERMOULDING

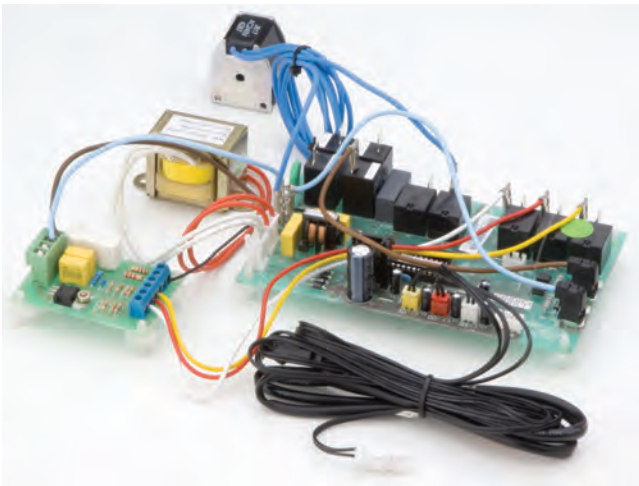
In-house ability to mould over connections, circuit boards, sensors, probes or any other component. With a range of polymers to keep it dry, stable, protected or secure.





## CUSTOM MOULDED CONNECTORS

Standard connectors not up to the job? Need something extra? Key can design and mould custom connectors to suit your needs. We can over mould existing connectors to increase durability, increase connection strength and/or improve IP rating.



## DESIGN AND ADVICE

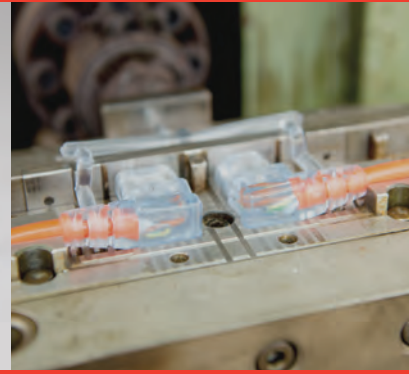
Key has a team of engineers with extensive experience in all aspects of cable, terminal and harness design. We can help you achieve the most cost effective solution for your organisation.



## AUTOMATED CAPABILITY

Efficient and economical, Key has advanced automated capabilities that ensure your cut, strip and terminated single wires are globally competitive.

# PLUG AND CORD



Experts in plug moulding, over moulding, plug and terminal design we can customise a plug or connector to suit your needs. Together with our in-house cable and harness manufacturing, Key are your one stop shop.

## EXTENSIVE RANGE OF PLUG AND CORDS

Plugs and Sockets available in;

- 2 Pin, 3 Pin, 4 Pin
- 7.5A, 10A, 15A, 20A
- Round Earth Pin
- IEC 13, IEC 14
- Side Entry Plugs
- 56 Series
- Splash Proof Plug and Socket



## LOCALLY MANUFACTURED

When you need quality, short runs, increased stock control or a specialised product, having it locally made can be a huge advantage. With reduced lead times, MOQ's and guaranteed Australian quality, many of our customers choose Key for these reasons.





## GLOBAL SOURCING OPTIONS

With the ability to develop products locally for offshore manufacture as well as a local quality team, our 20 years of offshore experience will help you find the right solution.



## CUSTOM PLUG MOULDING

Key has years of experience in developing not only custom plugs and sockets but also probes, connectors and water resistant plugs. If you have a specific need we have a solution.



## FULL HARNESS CAPABILITY

Key will incorporate a plug and cord into your harness assembly using our extensive harness manufacturing capabilities.

# PRODUCT DEVELOPMENT



Key specialise in developing unique products, whether it be safety, water protection, improved performance or increased convenience, we find a solution. Using our extensive in-house facility and international network, we deliver a low cost solution to fit your every need.

## POD

Developed for the Caravan industry the POD allows you to safely and legally connect your caravan to a domestic 10 amp outlet. Able to be used outside the product features IP44 water protection, RCD safety switch and MCB overload protection.



## MULTI OUTLET POWER CORD

The Multi Outlet Power Cord was conceived and designed by Key. Featuring four heavy duty, individually switched and overload protected sockets. This gives users the ability to wire up a shed or provide power across the work site.







## SPLASH PROOF PLUG

A power connector, 240V 10 Amp, with a water protection rating of IP55. Developed for the pump industry is able to withstand jets of water, allowing quick easy and safe disconnection of parts in wet environments.




## PLUGS AND CONNECTORS

Key is Australia's leading manufacturer of customised plugs, terminals and connectors. We have designed dozens of unique parts for applications ranging from air conditioning to medical devices.


# COPPER RANGE

## CAPILLARY TUBING – ANNEALED



Part No.	Inside Diameter ± 0.02mm	Outside Diameter ± 0.05mm
CAP0.66x1.72	0.66	1.72
CAP0.70x1.80	0.70	1.80
CAP0.80x2.06	0.80	2.06
CAP0.90x2.18	0.90	2.18
CAP1.00x2.28	1.00	2.28
CAP1.10x2.16	1.10	2.16
CAP1.20x2.26	1.20	2.26
CAP1.24x2.52	1.24	2.52
CAP1.30x2.58	1.30	2.58
CAP1.37x2.65	1.37	2.65
CAP1.40x2.70	1.40	2.70
CAP1.50x2.82	1.50	2.82
CAP1.62x2.94	1.62	2.94
CAP1.78x3.10	1.78	3.10
CAP1.82x2.88	1.82	2.88
CAP1.90x3.06	1.90	3.06
CAP2.04x3.44	2.04	3.44
CAP2.24x3.54	2.24	3.54
CAP2.30x3.60	2.30	3.60
CAP2.81x3.97	2.81	3.97
CAP3.33x4.75	3.33	4.75
CAP1/8x22G/A	1.78	3.18

## COUPLER SERVICE PACKS



Part No.	I.D. (mm) ± 0.02	O.D. (mm) ± 0.05	Length (mm)
14870	1.82	2.92	1000
145378	1.78	3.10	1500

Each end is fitted with 1/4" flared fitting



# COPPER RANGE

## STANDARD SERVICE PACKS

	Part No.	I.D (mm)	O.D (mm)	Length (mm)
	SP-0	0.60	1.80	3660
	SP-1	0.66	1.72	3660
	SP-1.5	0.70	1.80	3660
	SP-2	0.80	2.06	3660
	SP-3	0.90	2.18	3660
	SP-4	1.10	2.16	4270
	SP-4.5	1.20	2.26	4270
	SP-5	1.30	2.58	4270
	SP-6	1.40	2.70	3660
	SP-6.5	1.50	2.82	3660
	SP-7	1.62	2.94	3050
SP-8	1.78	3.10	3660	
SP-9	1.90	3.06	2750	
SP-10	2.04	3.44	3050	
SP-11	2.24	3.54	3660	

## FINNED TUBING

Fin Pitch 1.10mm - 909 Fins per metre 23 Fins per inch

Part No.	Plain Section		Finned Section		
	O.D (mm)	Wall Thickness (mm)	I.D (mm)	Root Diameter (mm)	Wall Thickness (mm)
FT 1 Copper	19.05	1.50	13.50	15.90	1.15
FT 5 Copper Nickle	19.05	1.50	13.50	15.90	0.95

Fin Pitch 0.98mm - 1020 Fins per metre 26 Fins per inch

FT 21 Copper	19.05	1.50	13.60	15.90	1.15
FT 24 Copper Nickle	19.05	1.50	14.15	15.90	0.85

Fin Pitch 0.98mm - 1020 Fins per metre with Internal Refling 26 Fins per inch

FT 61 Copper	19.05	1.50	13.50	15.40	0.75
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Internal Rifling - 10 evenly spaced ribs at 40o to axis, ribs protrude 0.20-0.25mm

# CABLE

## HIGH TEMPERATURE SILICONE RUBBER FIBERGLASS

Rated Voltage: 300V

Rated Temperature: 450°C

Insulator: Mica tape wrapped, Fiberglass braid layer, PTFE coating

<b>SILICONE RUBBER FIBERGLASS 300V</b>	Part No.	Size Area mm <sup>2</sup>	Conductor structure	Insulation thickness	Wire OD	Tolerance
	SRFG-035-AMP-BK-M	0.35mm <sup>2</sup>	5/0.30	0.85	2.5	±0.25
	SRFG-050-AMP-BK-M	0.5mm <sup>2</sup>	7/0.30	0.85	2.7	±0.25
	SRFG-075-AMP-BK-M	0.75mm <sup>2</sup>	11/0.30	0.85	2.85	±0.25
	SRFG-082-AMP-BK-M	0.82mm <sup>2</sup>	12/0.30	0.85	2.9	±0.25
	SRFG-100-AMP-BK-M	1.0mm <sup>2</sup>	14/0.30	0.85	3	±0.25
	SRFG-130-AMP-BK-M	1.3mm <sup>2</sup>	19/0.30	0.85	3.2	±0.30
	SRFG-150-AMP-BK-M	1.5mm <sup>2</sup>	30/0.25, 21/0.30	0.85	3.3	±0.30
	SRFG-200-AMP-BK-M	2.0mm <sup>2</sup>	28/0.30	0.85	3.6	±0.30
	SRFG-250-AMP-BK-M	2.5mm <sup>2</sup>	50/0.25, 20/0.40	0.85	3.8	±0.30
	SRFG-300-AMP-BK-M	3.0mm <sup>2</sup>	24/0.40	0.85	4	±0.30
	SRFG-330-AMP-BK-M	3.3mm <sup>2</sup>	47/0.30, 26/0.40	0.85	4.1	±0.30
	SRFG-400-AMP-BK-M	4.0mm <sup>2</sup>	56/0.30, 32/0.40	0.95	4.5	±0.35
	SRFG-600-AMP-BK-M	6.0mm <sup>2</sup>	84/0.30, 48/0.40	1.15	5.5	±0.35
	SRFG-800-AMP-BK-M	8.0mm <sup>2</sup>	64/0.40	1.15	6.1	±0.35
	SRFG-1000-AMP-BK-M	10.0mm <sup>2</sup>	80/0.40	1.15	6.9	±0.40
	SRFG-1600-AMP-BK-M	16.0mm <sup>2</sup>	128/0.40	1.15	7.5	±0.40
	SRFG-2500-AMP-BK-M	25.0mm <sup>2</sup>	200/0.40	1.15	9.6	±0.40

# CABLE

## SILICONE RUBBER FIBERGLASS

Rated Voltage: 1.1 ~ 1.5kV

Rated Temperature: -60°C ~ +180°C

Conductor: Tinned Copper

Insulator: Semi-conducting tape, Silicon Rubber insulation & Fiberglass braiding with resin coating.

### SILICON RUBBER FIBERGLASS

Part No.	Size Area mm <sup>2</sup>	Conductor Structure	Min Wall Thickness	Wire OD	Tolerance	Max. Resistance Ω/KM
SRFG-150-BK-M	1.5	30/0.25	0.8	4.1	±0.20	13.7
SRFG-250-BK-M	2.5	49/0.25	0.8	4.5	±0.30	8.21
SRFG-400-BK-M	4	56/0.30	0.89	5.4	±0.30	5.09
SRFG-600-BK-M	6	84/0.30	0.89	6	±0.30	3.39
SRFG-1000-BK-M	10	84/0.40	0.98	7.5	±0.30	1.95
SRFG-1600-BK-M	16	126/0.40	0.98	8.7	±0.30	1.24
SRFG-2500-BK-M	25	196/0.40	1.16	10.6	±0.40	0.795
SRFG-3500-BK-M	35	276/0.40	1.34	12.4	±0.40	0.565
SRFG-5000-BK-M	50	396/0.40	1.34	14.3	±0.40	0.393
SRFG-7000-BK-M	70	360/0.50	1.52	16.6	±0.50	0.277
SRFG-9500-BK-M	95	475/0.50	1.7	19.1	±0.50	0.21
SRFG-12000-BK-M	120	608/0.50	1.7	20.6	±0.50	0.164

Other voltage ranges available up to 15KV

## KEY HEATER CABLE RANGE

Temperature rating range -20°C to 200°C

Rated Voltage 250V/250V

Nickel alloy Conductor

100, 500, 1000 Metre Rolls

Cable range resistance can be offered from 2 ohms/metre right up to 5000 ohms per metre.

Outer sheath can be offered in the following materials.

PVC, Teflon, Polypropylene, LDPE, HDPE

Colours: Clear, Blue, Brown, Green, White, Black, Red, Yellow, Orange, Violet.

# CABLE

## KEY SILICON CABLE RANGE

Rated Voltage: 600V  
 Rated Temperature: 200°C  
 Insulator: Silicon Rubber  
 Conductor: Tinned Copper  
 Approval: UL E206992 - UL758, UL62, UL1585



### H05S-K SINGLE CORE 600V

Part No.	Area (mm <sup>2</sup> )	Stranding (mm)	Insulation Thickness	Nominal O.D. (mm)	Electrical Resistance @20°C ohm/km
SRSC-050-AWM	0.5	16/0.20	0.76	2.5	40.1
SRSC-075-AWM	0.75	24/0.20	0.76	2.7	26.7
SRSC-100-AWM	1	32/0.20	0.76	2.9	20
SRSC-200-AWM	2	30/0.25	0.76	3.2	13.7
SRSC-150-AWM	1.5	41/0.25	0.76	3.5	9.9
SRSC-250-AWM	2.5	49/0.25	0.76	3.6	8.21
SRSC-400-AWM	4	56/0.30	0.76	4.3	5.09
SRSC-600-AWM	6	84/0.30	1.14	5.6	3.39



Rated Voltage: 500V/1000V  
 Rated Temperature: -60 ~ +180°C  
 Insulator: Silicon Rubber  
 Conductor: Tinned Copper

### H05S-K SINGLE CORE 500V/1000V

SRJG-1000	10	84/0.40	1.6	7.8	1.95
SRJG-1600	16	126/0.40	1.6	9	1.24
SRJG-2500	25	196/0.40	1.8	10.9	0.795
SRJG-3500	35	276/0.40	2	12.6	0.565
SRJG-5000	50	396/0.40	2.2	15.1	0.393
SRJG-7000	70	360/0.50	2.2	16.8	0.277
SRJG-9500	95	475/0.50	2.4	19.3	0.21
SRJG-1200	120	608/0.50	2.4	20.8	0.164



# CABLE

## KEY H07 RUBBER CABLE RANGE

Plain Copper Conductor  
 Rated Voltage 450/750V  
 Insulation Material EPR  
 Jacket Material CPE  
 100, 500, 1000 Metre Rolls



Part No.	No. of Cores	Nominal Area	Conductor No. / Dia.	Insulation Thickness (mm)	Jacket Thickness	Nominal O.D. (mm)
H07RNF1M3C	2	1	32/0.20	0.8	1.3	8.3
H07RNF1.5M2C	2	1.5	30/0.25	0.8	1.5	9.3
H07RNF2.5M2C	2	2.5	49/0.25	0.9	1.7	11.2
H07RNF4M2C	2	4	56/0.30	1	1.8	12.8
H07RNF6M2C	2	6	84/0.30	1	2	14.4
H07RNF1M3C	3	1	32/0.20	0.8	1.4	9
H07RNF1.5M3C	3	1.5	30/0.25	0.8	1.6	10.1
H07RNF2.5M3C	3	2.5	49/0.25	0.9	1.8	12.1
H07RNF4M3C	3	4	56/0.30	1	1.9	13.9
H07RNF6M3C	3	6	84/0.30	1	2.1	15.4
H07RNF1M4C	4	1	32/0.20	0.8	1.5	10
H07RNF1.5M4C	4	1.5	30/0.25	0.8	1.7	11.1
H07RNF2.5M4C	4	2.5	49/0.25	0.9	1.9	13.3
H07RNF4M4C	4	4	56/0.30	1	2	15.2
H07RNF6M4C	4	6	84/0.30	1	2.3	17.2
H07RNF1M5C	5	1	32/0.20	0.8	1.6	11
H07RNF1.5M5C	5	1.5	30/0.25	0.8	1.8	12.2
H07RNF2.5M5C	5	2.5	49/0.25	0.9	2	14.6
H07RNF4M5C	5	4	56/0.30	1	2.2	16.9
H07RNF6M5C	5	6	84/0.30	1	2.5	19.1

Colour of Jacket - Black, White, Grey  
 2 Core Colour - Blue and Brown  
 3 Core Colour - Yellow/Green, Blue, Brown  
 4 Core Colour - Yellow/Green, Brown, Black, Grey  
 5 Core Colour - Yellow/Green, Blue, Brown, Black, Grey

# CABLE

## KEY AUTO CABLE RANGE

Oxygen free copper  
60 VDC / 25 VAC  
PVC V90 HT (V105)  
30, 50, 100, 500, 1000 Metre Rolls

### TWIN CORE



Part No.	mm Size	No of Cores	Conductor No. / Dia. (mm)	Nom Area mm <sup>2</sup>	Insulation Thickness (mm)	Electrical Resistance @20°C (ohm/km)	Nominal O.D. (mm)
KA2TW200-CC-SS	2		7/0.32	0.56	0.4/0.6	31.7	3.20 x 5.60
KA2TW300-CC-SS	3		14/0.32	1.13	0.4/0.6	15.8	3.60 x 6.20
KA2TW400-CC-SS	4		23/0.32	1.84	0.4/0.6	9.5	4.00 x 6.90
KA2TW500-CC-SS	5		36/0.32	2.9	0.4/0.6	6	4.50 x 7.60
KA2TW600-CC-SS	6		57/0.32	4.59	0.4/0.6	3.8	5.40 x 9.80

### MULTI CORE TRAILER

KA3TR300-CC-SS	3	3	14/0.32	1.13	0.4/0.6	15.8	5.9
KA5TR200-CC-SS	2	5	7/0.32	0.56	0.4/0.6	31.7	6.2
KA5TR300-CC-SS	3	5	14/0.32	1.13	0.4/0.6	15.8	7.3
KA5TR400-CC-SS	4	5	23/0.32	1.84	0.4/0.6	9.5	8.4
KA7TR200-CC-SS	2	7	7/0.32	0.56	0.4/0.6	31.7	6.6
KA7TR300-CC-SS	3	7	14/0.32	1.13	0.4/0.6	15.8	8.2
KA7TR400-CC-SS	4	7	23/0.32	1.84	0.4/0.6	9.5	9.1

### SINGLE CORE



KA300-CC-SS	3		14/0.32	1.13	0.4	15.8	2.2
KA400-CC-SS	4		23/0.32	1.84	0.4	9.5	2.6
KA500-CC-SS	5		36/0.32	2.9	0.4	6	3
KA600-CC-SS	6		57/0.32	4.59	0.6	3.8	4

Available in Red, Blue, Black, Brown, White, Green, Grey, Yellow, Violet, Orange, Purple - Stripes available

### FIG 8 PARALLEL WEBBED

KAFIG8300-CC-SC-SS	3		14/0.32	1.13	0.6	15.8	2.80 x 6.10
KAFIG8400-CC-SC-SS	4		23/0.32	1.84	0.6	9.5	3.10 x 6.70

Colour codes (CC): RD, BK, BU, BR, WH, GR, GRN, Y, V, O, P  
Spool Size (SS): 30, 50, 100, 500, 1000  
EG: KA300 in Blue 50m = KA300-BU-50



# CABLE

## SINGLE CORE GAS



Part No.	mm Size	No of Cores	Conductor No. / Dia. (mm)	Nom Area mm <sup>2</sup>	Insulation Thickness (mm)	Electrical Resistance @20°C (ohm/km)	Nominal O.D. (mm)
KADIGAS300-CC-SS	3		14/0.32	1.13	0.4/0.8	15.8	3.9
KADIGAS400-CC-SS	4		23/0.32	1.84	0.4/0.8	9.5	4.2
KADIGAS500-CC-SS	5		36/0.32	2.9	0.4/0.8	6	4.9
KADIGAS600-CC-SS	6		57/0.32	4.59	0.4/0.8	3.8	5.7

## KEY TEFLON CABLE RANGE

Temperature rating 200°C

Rated Voltage 300VAC (possible up to 1000VAC)

Tinned Copper Conductor

100, 500, 1000 Metre Rolls

Colour - Clear, Blue, Brown, Green, White, Black, Red, Yellow, Orange, Violet.



Part No.	Nom. Conductor (mm <sup>2</sup> )	Conductor No./Dia (mm)	Current rating (amps)	Insulation Thickness	(kg/100m)	Nominal O.D. (mm)
FEPT0.500D/CCSS	0.5	16/0.20	5	0.23	0.56	1.55
FEPT0.750D/CCSS	0.75	24/0.20	7.5	0.23	0.86	1.66
FEPT0.100D/CCSS	1	32/0.20	10	0.23	1.1	1.75
FEPT1.500D/CCSS	1.5	30/0.25	15	0.23	1.57	2
FEPT2.500D/CCSS	2.5	50/0.25	20	0.28	2.55	2.55
FEPT4.000D/CCSS	4	80/0.25	25	0.28	4.55	3.15
FEPT6.000D/CCSS	6	84/0.30	30	0.3	5.89	3.65

Colour codes (CC): CL, RD, BK, BU, BR, WH, GRN, Y, V, O

Spool Size (SS): 50, 100, 500, 1000

EG: FEPT0.500D in Blue 50m = FEPT0.50/BU50

# CABLE

## KEY MULTI CORE PVC CABLE RANGE

### MULTI CORE - HEAVY DUTY

0.6/1KV

PVC Insulation & Sheath

Tinned Copper Conductor AS/NZS 1125

V90 HT (V105) PVC AS/NZS 3808

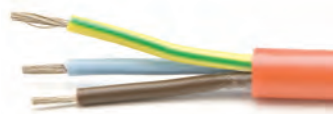
100, 500 Metre Rolls

AS/NZS 3191:2008



### HEAVY DUTY PVC

Part No.	Cores	Conductor No./Dia (mm)	Nom. Area mm <sup>2</sup> Per Core	Amp Rating	Insulation Thickness	Sheath Thickness	Electrical Resistance @20°C ohm/km	Nominal O.D. (mm)
K3322H90	3	32/0.20	1	10	0.8	1.4	18.9	9.35
K33025H90	3	30/0.25	1.5	15	0.8	1.6	12.7	10.3
K35025H90	3	50/0.25	2.5	20	0.9	1.8	7.6	12.1
K4322H90	4	32/0.20	1	10	0.8	1.5	18.9	10.2
K43025H90	4	30/0.25	1.5	15	0.8	1.7	12.7	11.45
K45025H90	4	50/0.25	2.5	20	0.9	1.9	7.6	13.1
K55025H90	5	50/0.25	2.5	20	0.9	2.0	7.6	14.4



### MULTI CORE - ORDINARY DUTY

250 / 440 VAC

PVC Insulation & Sheath

Tinned Copper Conductor AS/NZS 1125

V90 HT (V105) PVC AS/NZS 3808

100, 500 Metre Rolls

AS/NZS 3191:2008



### ORDINARY DUTY PVC

K2242090	2	24/0.20	0.75	7.5	0.6	0.8	25.9	6.55
K2322090	2	32/0.20	1	10	0.6	0.8	18.9	6.85
K23025090	2	30/0.25	1.5	15	0.7	0.8	12.7	7.65
K3242090	3	24/0.20	0.75	7.5	0.6	0.8	25.9	6.85
K3322090	3	32/0.20	1	10	0.6	0.8	18.9	7.25
K33025090	3	30/0.25	1.5	15	0.7	0.9	12.7	8.2
K35025090	3	50/0.25	2.5	20	0.8	1.1	7.6	10.4
K4242090	4	24/0.20	0.75	7.5	0.6	0.8	25.9	7.5
K4322090	4	32/0.20	1	10	0.6	0.9	18.9	8.25
K43025090	4	30/0.25	1.5	15	0.7	1	12.7	9.25
K45025090	4	50/0.25	2.5	20	0.8	1.1	7.6	11.3
K5242090	5	24/0.20	0.75	7.5	0.6	0.9	25.9	8.85
K5322090	5	32/0.20	1	10	0.6	0.9	18.9	9.1
K53025090	5	30/0.25	1.5	15	0.7	1.1	12.7	11.1

# CABLE

## KEY SINGLE CORE PVC CABLE RANGE

Tinned Copper Conductor AS/NZS 1125

V90 HT (V105) PVC AS/NZS 3808

100, 500, 1000 Metre Rolls

Colour - Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Grey, Green/Yellow

AS/NZS3191:2008



### SINGLE CORE - HEAVY DUTY 0.6/1KV



Part No.	Conductor No./Dia (mm)	Nom. Area mm <sup>2</sup> Per Core	Amp Rating	Insulation Thickness	Electrical Resistance @20°C ohm/km	Nominal O.D. (mm)
K1162H90	16/0.20	0.5	3	0.8	39	2.6
K1242H90	24/0.20	0.75	7.5	0.8	25.9	2.8
K1322H90	32/0.20	1	10	0.8	18.9	3
K13025H90	30/0.25	1.5	15	0.8	12.7	3.2
K15025H90	50/0.25	2.5	20	0.9	7.6	4
K1563H90	80/0.25	4	25	1	4.7	4.8
K1843H90	84/0.30	6	30	1	2.9	5.4

### SINGLE CORE - ORDINARY DUTY 240/440 VAC



K1162090	16/0.20	0.5	3	0.6	39	2.1
K1242090	24/0.20	0.75	7.5	0.6	25.9	2.4
K1322090	32/0.20	1	10	0.6	18.9	2.6
K13025090	30/0.25	1.5	15	0.7	12.7	3
K15025090	50/0.25	2.5	20	0.8	7.6	3.8

Colour codes (CC): RD, BK, BU, BR, WH, GR, GRN, Y, V, O, P

Spool Size (SS): 100, 500, 1000

EG: K1162H90 in Blue 500m = K1162H90-BU-500

# EXTENSION CORDS

## HEAVY DUTY EXTENSION CORDS

Fully moulded transparent Plug and Socket insulated active/neutral pins, with neon indicator and shroud



### 10A PLUG, 10A CABLE



Part No.	Plug (amps)	Cable (amps)	Colour	Length (m)
1005-HD-YE	10	10	Yellow	5
1025-HD-YE	10	10	Yellow	25

### 10A PLUG, 15A CABLE



1520-HD-RD	10	15	Red	20
1530-HD-RD	10	15	Red	30

### 15A PLUG, 15A CABLE



C1515	15	15	Orange	15
C1525	15	15	Orange	25

## IP56 BRAIDED EXTENSION CORDS

15A IP56 Plug and Socket with insulated active/neutral pins and triple insulated. Approved for mining and industrial markets.



### IP56 10A PLUG, 15A CABLE



Part No.	Plug (amps)	Cable (amps)	Length (m)
BEXTIP5605M-10A	10	15	5
BEXTIP5610M-10A	10	15	10
BEXTIP5615M-10A	10	15	15
BEXTIP5620M-10A	10	15	20
BEXTIP5625M-10A	10	15	25
BEXTIP5630M-10A	10	15	30

### IP56 15A PLUG, 15A CABLE

BEXTIP5605M-15A	15	15	5
BEXTIP5610M-15A	15	15	10
BEXTIP5615M-15A	15	15	15
BEXTIP5620M-15A	15	15	20
BEXTIP5625M-15A	15	15	25



# EXTENSION CORDS

## BRAIDED EXTENSION CORDS

10A fully moulded Plug and Socket with safety shroud, insulated active/neutral pins, triple insulated on 15A Cable. Approved for mining and industrial markets.



### 10A PLUG, 15A CABLE



Part No.	Plug (amps)	Cable (amps)	Length (m)
BEXT1505-10A	10	15	5
BEXT1510-10A	10	15	10
BEXT1515-10A	10	15	15
BEXT1520-10A	10	15	20
BEXT1525-10A	10	15	25
BEXT1530-10A	10	15	30

15A Fully moulded Plug and Socket with safety shroud, insulated active/neutral pins, triple insulated on 15A Cable. Approved for mining and industrial markets.

### 15A PLUG, 15A CABLE

BEXT1505-15A	15	15	5
BEXT1510-15A	15	15	10
BEXT1515-15A	15	15	15
BEXT1520-15A	15	15	20
BEXT1525-15A	15	15	25

15A Fully moulded Plug and Socket with safety shroud, insulated active/neutral pins, triple insulated on 20A Cable. Approved for mining and industrial markets.

### 15A PLUG, 20A CABLE

BEXT2020-15A	15	20	20
BEXT2030-15A	15	20	30
BEXT2040-15A	15	20	40

# MEDICAL

## MEDICAL IEC LEAD

Fully moulded transparent Plug and IEC Socket and insulated active/neutral pins. Orange PVC 10A Cable



### 240V IEC C13/C14 10A FLEXIBLE



Part No.	Length (m)
H3P-IEC1M	1
H3P-IEC2M	2
H3P-IEC3M	3
H3P-IEC5M	5



H3P-IEC1M-RH	1
H3P-IEC2M-RH	2
H3P-IEC3M-RH	3
H3P-IEC5M-RH	5



H3P-IEC1M-LH	1
H3P-IEC2M-LH	2
H3P-IEC3M-LH	3
H3P-IEC5M-LH	5

## BRAIDED MEDICAL IEC LEAD

Fully moulded transparent Plug and Socket insulated active/neutral pins and earthed braid, triple insulated.



### 240V IEC C13 10A BRAIDED

Part No.	Length (m)
BH3P-IEC1M	1.0
BH3P-IEC2M	2.0
BH3P-IEC3M	3.0
BH3P-IEC5M	5.0



# RAMFLEX CONDUIT RANGE



Rhino tough flexible metallic conduit is manufactured to meet AS2053 Parts 1 & 8 standards. With varying IP ratings from 54 to 67 and temperature rating of -45°C to 250°C

## RHINO METALLIC LIQUIDTIGHT



270 Series  
Galvanised core with  
PVC Sheath

RHINO Tough Heavy Duty Flexible Non-metallic conduit is manufactured to meet AS2053 Parts 1 & 5 standards. With varying IP ratings from 54 to 67 and temperature rating of -50°C to 105°C

## RHINO LIQUIDTIGHT



180 Series  
PVC Heavy Duty Reinforced



171 Series  
PVC Heavy Duty Reinforced



172 Series  
PVC Heavy Duty Reinforced



178 Series  
PVC Heavy Duty Reinforced

## FITTINGS



Key offer a range of fittings, made from Hi Impact PVC; Stainless Steel; Nickel plated brass; Polyamide 6 or Polypropylene



SUPAFLEX Flexible metallic conduit is manufactured to meet AS2053 Parts 1 & 8 standards. With varying IP ratings from 54 to 67 and temperature rating of -45 to 250 Available in lengths of 10m, 25m, 30m & 50m

## SUPAFLEX FLEXIBLE METALLIC CONDUIT



250 Series  
Galvanised core with  
PVC Sheath



257 Series  
Galvanised Steel core  
with Braided Sheath



245 Series  
Galvanised Steel core



277 series  
Stainless Steel 304



247 Series  
Stainless Steel 304

## ULTRAFLEX flexible conduit

ULTRAFLEX Heavy Duty Flexible Non-metallic conduit is manufactured to meet AS2053 Parts 1 & 5 standards. With varying IP ratings from 54 to 67 and temperature rating of -50°C to 105°C in lengths of 10m, 30m and 50m

## ULTRAFLEX NON METALLIC CONDUIT



CPSS  
PA6 Split Corrugated



PAH  
PA6 Heavy Duty  
Corrugated



150 Series  
PVC Heavy Duty Reinforced



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