

Moulded Cords & Cables

moulded cables and



Issue 2

Quality Assurance

Through our new catalogue MCC would like to seize this opportunity to introduce you in detail to its wide range of international power cords designed for the global market place.

MCC is licensed and therefore regularly surveyed by ISO 9001:2000 to ensure that the highest quality standards are ever present.
Certificate No: A3715.

International Cords and Cordsets

- 3 **European**
- 4 **Swiss/Italian/Danish/Indian & South African**
- 5 **UK/Israeli/Australian**
- 6 **Universal & Power Adaptors**
- 7 **USA & Japan**

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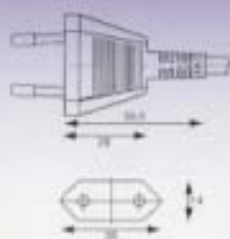
The International Guide for Power Cords is a general guide giving information on a country's electrical supply and the type of plugs in general use.

The guide is not totally accurate, a site survey is recommended when in doubt.

Major International Testing Agencies

Germany	VDE		France	LCI	
Austria	OVE		Netherlands	REMA	
Belgium	CESEC		Norway	HEMRO	
Canada	CSA		Sweden	SEMRO	
Denmark	DELMD		Switzerland	SEV	
Finland	FIMKO		United States	UL	

1262 RP Plug 2.5 A/250V



For Class II appliances

The Europlug is a 2 wire, ungrounded CEE7/16 plug rated at 2.5 amp/250V AC. Used in class II applications throughout continental Europe, it can also be used in Greece, Turkey, the Middle East, most of Africa, Poland, the Czech Republic, Slovakia, Hungary, Rumania, Bulgaria & the Soviet Republics.

2.5A 250V

CEE7 / XVI VDE 0620

Cords to CEE and VDE requirements

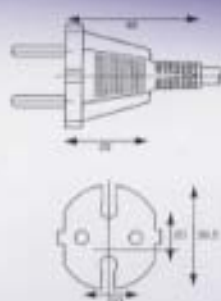
PVC Round: 2 x 0.5, 2 x 0.75, 2 x 1.0mm

PVC Flat: 2 x 0.5, 2 x 0.75, 2 x 1.0mm

Rubber: 2 x 0.75, 2 x 1, 2 x 1.5mm

Colours: Black, White, Grey and Orange

1264 RP Plug 10/16 A/250V



For Class II appliances 10A/16A 250V

CEE7 / VII

Cords to VDE CEE requirements

PVC: Round 2 x 0.75, 2 x 1.0, 2 x 1.5mm

Rubber: Round 2 x 0.75, 2 x 1.0, 2 x 1.5mm

Colours: Black, White, Grey, Orange and Red

Used in:

Germany, Austria, Netherlands, Belgium, Sweden, Denmark, Norway, Finland, Switzerland, France, Italy, Spain.

1397 P Plug 10/16 A/250V



Double earthing system 10 / 16A 250V

The CEE7/7 "Schuko" plug is used as a standard in Germany, Austria, Norway, Sweden, Finland, the Netherlands, Belgium and France and is also used in Portugal & Spain. The German mains are not polarised. Grounding is achieved via grounding dips on the side of the sockets & plugs. All European cables carry the harmonised "HAR" code, and have all the major European approvals.

CEE7 / VII SCHUKO

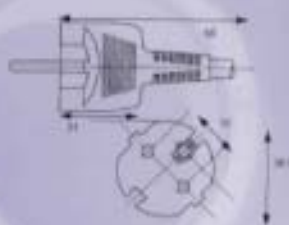
Cords to CEE requirements

PVC: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

Rubber: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

Colours: Black, White, Grey, Orange and Red

13641 P Plug 10/16 A/250V



CEE7 / VII

Cords to CEE requirements

PVC: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

Rubber: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

Colours: Black, White, Grey, Orange and Red

Used in:

Algeria, Angola, Armenia, Austria, Azerbaijan, Azores, Belarus, Belgium, Benin, Brazil, Bosnia, Bulgaria, Burundi, Cameroon, Central African Republic, Chad, Chile, Congo, Croatia, Czech Republic, Denmark, Dubai, Egypt, Estonia, Finland, France, French Guiana, Gabon, Georgia, Germany, Greece, Greenland, Hungary, Ireland, Indonesia, Iran, Iraq, Italy, Ivory Coast, Jordan, Kazakhstan, Kyrgyzstan, Latvia, Lebanon, Liberia, Libya, Lithuania, Mali, Mauritania, Moldova, Morocco, Netherlands, Niger, Norway, Peru, Poland, Russia, Rwanda, Senegal, Slovenia, Sweden, Spain, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Uruguay, Yugoslavia.

Technical drawings available on request. Or visit our website.



VDE
Germany



DVE
Austria



CEE
Belgium



CSA
Canada



DIN
Denmark



FI
Finland



GDE
France



KEH
Netherlands



NEM
Norway



S
Sweden



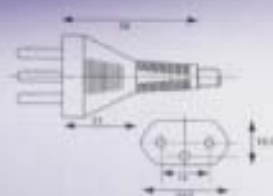
SEV
Switzerland



UL
United States

Cords and Cord Sets - Swiss/Italian/Danish/Indian & South African

1368 Plug 10 A/250V



Cord to ASEV requirements

Round: 2 x 0.75, 3 x 0.75, 3 x 1.0mm

Flat: 2 x 0.75mm

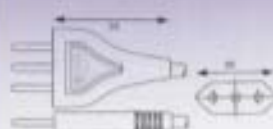
Standard: SEV 1011 ETSI

Colours: Black, White, and Grey

Used in:

Switzerland

1603 Plug 10 A/250V



Standard: CEI 23-16/VII

CEE7 / VII

Cords to CEE requirements

PVC: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

Rubber: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

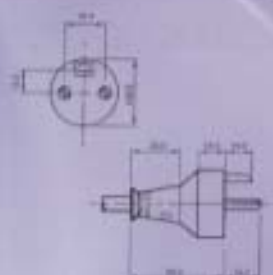
Approval: IMQ

Colours: Black, White, and Grey

Used in:

Italy and parts of North Africa

Danish



10 AMP 250V 3 PIN DATA PLUG

Standard: AFSNIT 107-2-D1

Designed to suit the special socket outlet system in Denmark which permits the connection of data processing equipment with special plugs but prevents the connections of other types of equipment with ordinary plugs. In addition, the data plug can be used with ordinary socket outlets for domestic and similar purposes.

The standard Danish plug is described in DEMKO publication AFSNIT 107-2-D1.

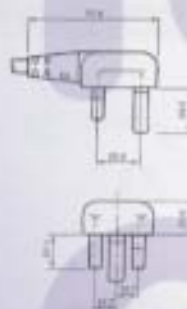
The design features an inner insulating cover and all wire connections are crimped for greater safety and reliability.

Each plug undergoes seven electrical tests to ensure correct continuity, polarity and electrical safety.

Standard: AFSNIT 107 - 2 - 01

Colours: Black and White

Indian & South African



15/16 AMP 250V 3 PIN PLUG

Designed to suit the electrical socket systems in use in India and South Africa the 15/16 amp 3 pin moulded plug also conforms to British Standard BS546A.

The design features an inner insulating cover and all wire connections are crimped for greater safety and reliability.

Each plug undergoes seven electrical tests to ensure correct continuity, polarity and electrical safety.

The plug meets the requirements of British Standard BS 546A, South African SABS 164-1980 and Indian Standard IS 1293-1967.

5 amp/15 amp round pin mains plugs available in re-wireable versions, white.

It is also used in parts of Africa, Middle East, Asia and The Far East

Colours: Black and White

Technical drawings available on request. Or visit our website.



VDE
Germany



CNE
Austria



CEC
Belgium



CSA
Canada



DEMKO
Denmark



PIMM
Poland



LOE
France



KEMA
Netherlands



NEMKO
Norway



SEMKO
Sweden



SEV
Switzerland



UL
United States

UK



13 AMP 250V 3 PIN FUSED PLUG

13 amp mains plug is available with a wide range of supply cords which are pre-prepared for fitting to electrical appliances.

Featuring double insulation the plug has all wire connections crimped on specialised semi-automatic equipment to ensure consistent safety and reliability.

The plug is supplied with solid brass semi-insulated pins. Each plug undergoes seven electrical tests to ensure correct continuity, polarity and electrical safety and have been independently tested and approved by ASTA Certification Services to BS 1363A. 3, 5, 10 and 13 amp fuses available.

Asia requires their mark to be moulded into the plug. BASEC test cordage which conforms to HAR standards.

Colours: Black, White, Grey, Orange, Green, Red & Blue.

Available with pin protectors.

Brown	- Live
Blue	- Neutral
Green/Yellow	- Earth

BS 1363: This standard document describes a grounded primary power connector system with solid rectangular contacts.

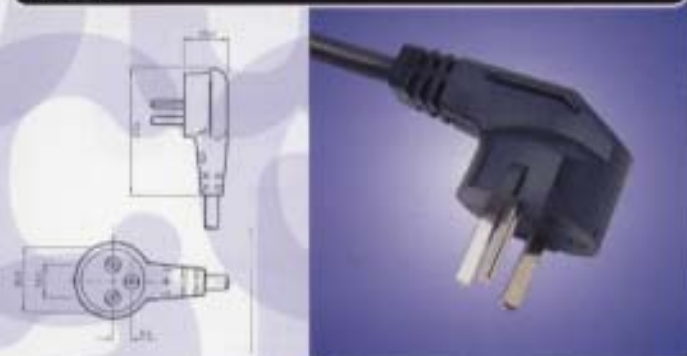
The plug is always fused and the rating is up to 13 amp.

Used in:

Abu Dhabi, Bahamas, Bahrain, Bangladesh, Belize (British Honduras), Botswana, Brunei, Burma, Cyprus, Dubai, Egypt, Gambia, Gibraltar, Guyana, Hong Kong, India, Iraq, Jamaica, Jordan, Kenya, Kuwait, Lebanon, Lesotho, Libya, Malawi, Malaysia, Malta, Mauritius, Myanmar, Namibia, Nigeria, Oman, Pakistan, Qatar, St Helena, Saudi Arabia, Seychelles, Sierra Leone, Singapore, South Africa, Sri Lanka, Sudan, Swaziland, Tanzania, Trinidad & Tobago, Yemen, Zambia, Zimbabwe.

www.bsi.org.uk

Israeli



10/16 AMP 250V 3 PIN PLUG

Standard: SI-32

Designed to suit the electrical socket systems in use in Israel, the moulded plug complies with the requirements of Israel Standard SI 32, SII (Standards Institution of Israel)

The design features an inner insulating cover and all wire connections are crimped for greater safety and reliability.

As with all products, each plug undergoes seven electrical tests to ensure correct continuity, polarity and electrical safety.

Colours: Black and White

Australian



6/10/15 AMP 250V 2/3 INSULATED PIN PLUGS

Standard: AS 3112

Designed to suit the electrical socket systems in use in Australia and New Zealand, Fiji and Papua New Guinea our moulded plug complies with the requirements of Australian Standard AS 3112-1981 and New Zealand Standard NZ SS 198-1987.

It is also the official standard of The Peoples Republic of China.

The plug is available either double insulated or single insulated.

All wire connections are crimped for greater safety and reliability.

Each plug undergoes seven electrical tests to ensure correct continuity, polarity and electrical safety.

Colours: Black and White
Argentina type also available
Standard: IRAM 2013: 1982

Technical drawings available on request. Or visit our website.



VDE Germany

CNE Austria

CECOC Belgium

CSA Canada

DIN Denmark

FIM Finland

LCE France

KEMA Netherlands

NEMKO Norway

SEKO Sweden

SEV Switzerland

UL USA

Cords and Cord Sets - Universal

C14 R/A IEC Connectors



C13 Straight IEC Connectors



C7 and C8 Connectors



10 AMP UNIVERSAL JUMPER CORD

The Universal Jumper Cord comprises of a straight/right angled plug and an IEC320 10 Amp connector either straight or angled and VDE approved cable.

The new Universal Jumper Cord is approved for European and North American markets with European harmonised cable and UK approved cable.

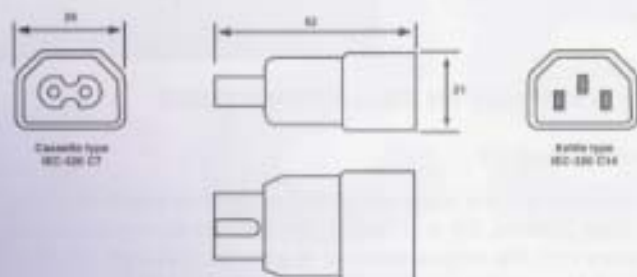
The male plug features a hard outer shell with all wire connections crimped for greater safety and reliability. The IEC connector provides double insulation giving an effective barrier between terminations and ensuring the absence of moulding 'flash' within the connector.

Each cord set undergoes seven electrical tests to ensure correct continuity, polarity and electrical safety.

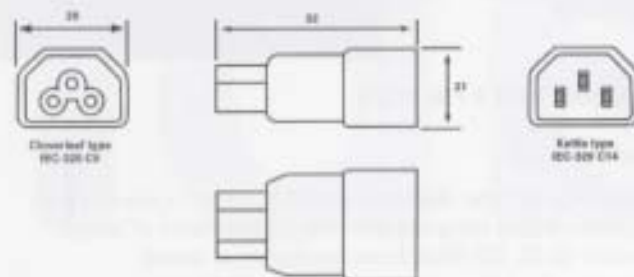
Colours: Black, White, Grey and Orange

Power Adaptor

C14 to C7 Universal plug to cassette socket



C14 to C5 Universal plug to cloverleaf socket



C14 to C7 Converter



C6 to C7 Converter



C14 to C5 Converter



Technical drawings available on request. Or visit our website.



Cords and Cord Sets - USA and Japan

7

NEMA1-15



NON-POLARIZED PINS
CABLE: SPT-1, SPT-2, HPN

NEMA1-15P



POLARIZED PINS
CABLE: SPT-1, SPT-2, SPT-3, HPN,
SVT & SJT

NEMA5-15P 15A/125V



CABLE: SPT-3, SVT, SJT & SJTW-A
WITH & WITHOUT CORD GRIP
STRAIGHT & ANGLED PLUG

NEMA5-15P HOSPITAL GRADE



FILE NO: UL:E65753 CSA: LR67589
CABLE: SVT, SJT

NEMA6-15P 15A/250V



FILE NO: UL:E65753 CSA: LR67589
CABLE: SPT-3, SJT & ST

NEMA5-15R



FILE NO: UL:E65753 CSA: LR67589
CABLE: SPT-2, SPT-3, SVT & SJT

Live: Black Neutral: White Ground (earth): Green
Used in the United States and Canada.

In the USA these plugs are detailed in NEMA (National Electrical Manufacturers Association) publication WDI and are incorporated into UL 498 B4 UL. Canadian plug and socket standards are outlined by CSA. The NEMA 1-15P and 5-15P style plugs are also used in Mexico, Japan, parts of Korea and Taiwan.

Japanese plugs (100VAC, 50 and 60Hz) at a glance look the same as USA plugs. However the Japanese system (JIS 8303) requires approvals by MITI or JIS.

Other types available are:

- NEMA5-20 20A/125V
- NEMA6-20 20A/125V
- NEMA10-30 30A/125V/250V SRDT TYPE CABLE
- NEMA10-50 50A/125V/250V SRDT TYPE CABLE
- NEMA14-30 30A/125V/250V 4 CONDUCTOR SRDT TYPE CABLE
- NEMA L5-20 30A/125V

Neoprene cable to USA standards is HPN, SVO, SJO (300V) SO (600V) - see cable details at back of catalogue.

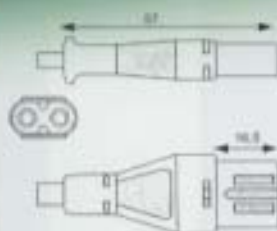
www.ul.com
www.csa.ca

Technical drawings available on request. Or visit our website.



Moulded Sockets

C7 connector 2.5A/250V



For Class II appliances

2.5A 250V/125V

PVC: Flat 2 x 0.75mm

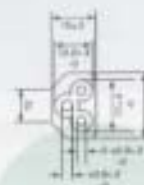
Colours: Black and White

Used in:

Germany, Austria, Netherlands, Belgium, Sweden, Denmark, Norway, Finland, Switzerland, France, Italy, USA, Canada, UK

Inlet to suit above is C8

C5 connector 2.5A/250V



Inlet to suit above is C6

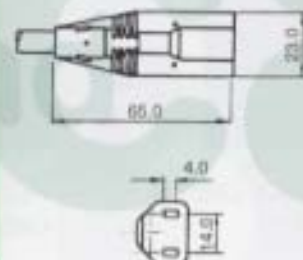
PVC: H03VV-F3 x 0.75mm

H05VV-F3 x 0.75mm

SVT 18AWG

VCTF 3 x 75mm

C17 2 Pin connector 10A/250V



For Class 2 10Amp Straight Connector

10A/250V (International)

15A/250V (America)

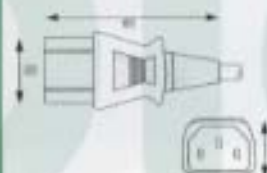
35 + 491, EN 60 320

IEC 320 STD C17

Inlet to suit above is C18



C13 3 Pin connector 10A/250V



Straight 3 Pin Female IEC 320

250V 10A

125V 10A

Available in 3 Core Round

PVC: Round 3 x 0.75, 3 x 1.0mm

Rubber: Round 3 x 0.75, 3 x 1.0mm

Colours: Black, White, Grey, Orange and Red

Used in:

Germany, Austria, Netherlands, Belgium, Sweden, Denmark, Norway, Finland, Switzerland, France, Italy, Australia, Canada, USA, UK

Inlet to suit above is C14

Hospital grade socket USA



Technical drawings available on request. Or visit our website.



UL
Safety



VDE
Safety



BSE
Safety



CSA
Safety



DIN
Safety



FI
Safety



LBE
Safety



KEMA
Safety



NEMKO
Safety



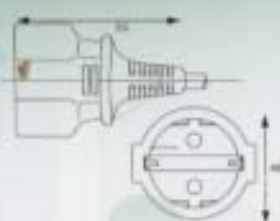
SEKO
Safety



SEV
Safety



UL
Safety

Schuko in-line connector 3350**For Class I appliances**

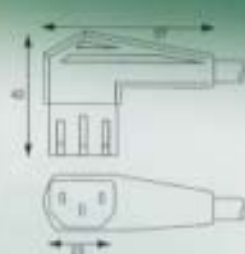
10/16A 250V

CEE7

Rubber: Round 3 x 0.75, 3 x 1.0, 3 x 1.5mm

Used in:

Germany, Austria, Netherlands, Norway

C13 R/A IEC socket**Right angled or left angled**

10A 250V/125V

PVC: Round 3 x 0.75, 3 x 1.0mm

Rubber: Round 3 x 0.75, 3 x 1.0mm

Colours: Black, White, Grey, Orange and Red

Used in:

Germany, Austria, Netherlands, Belgium, Sweden, Denmark, Norway, Finland, Switzerland, France, Italy, USA, Canada, UK

C15 Connector 10A/250V**10AMPS/250V a.c "Hot Condition"**

The 10 amp Appliance Connector for Hot Conditions is a 2 piece rigid thermoplastic assembly mechanically locked together providing an effective barrier between the electrical terminations.

The connector includes custom designed fork shaped terminals, which give a greatly improved pin contact over a larger surface area.

Manufactured from phosphor bronze the terminal has been developed to provide improved contact and durability when compared to the conventional brass box shaped receptacle.

The connector is manufactured under the B.S.I. Kite Mark Scheme.

Inlet to suit above is C16

C19 16A connector 16A/250V**16 AMP Straight Appliance Coupler**

The 16 amp Straight Appliance Connector has been developed to incorporate the most advanced design and safety concepts.

An injection moulded inner plastic shell provides double insulation and gives an effective barrier between terminations ensuring the absence of moulding 'flash' within the connector - essential to ensure an efficient and consistent electrical contact.

The connector terminals are manufactured from phosphor bronze and incorporate crimped connections for greater safety and reliability.

16A/250V (International)

20A/250V (American)

Inlet to suit above C20

Technical drawings available on request. Or visit our website.



Chassis Mount Sockets & Travel Adaptors

USA 120VAC/60Hz


Rating 10A - 16A 250V AC
Insulation Resistance over 100M at 500V DC
Dielectric strength: 2000 V AC 1 minute
Body material: Nylon 66, 94V-1

British 240VAC/50Hz


Rating 10A - 16A 250V AC
Insulation Resistance over 100M at 500V DC
Dielectric strength: 2000 V AC 1 minute
Body material: Nylon 66, 94V-1

Australian 240VAC/50Hz


Rating 10A - 16A 250V AC
Insulation Resistance over 100M at 500V DC
Dielectric strength: 2000 V AC 1 minute
Body material: Nylon 66, 94V-1

European and Soviet Republics 220vac/50hz


Rating 10A - 16A 250V AC
Insulation Resistance over 100M at 500V DC
Dielectric strength: 2000 V AC 1 minute
Body material: Nylon 66, 94V-1

Faceplate for chassis mount sockets

3pin Snap in USA socket 15A 125v

European Travel Adaptor

All Continents Adaptor

UK to Shuko Adaptor


Technical drawings available on request. Or visit our website.



VDE
Germany



DIN
Austria



CECOC
Belgium



CSA
Canada



DEMKO
Denmark



FIM
Finland



LVE
France



KEMA
Netherlands



NEMKO
Norway



SEMD
Sweden



SEV
Switzerland



UL
United States

2.1 x 5.5mm jack socket



2.1 x 5.5mm jack socket moulded onto 2 metres of fig. 8 cable with grommet. Stripped/tinned. Barrel lengths: 10, 12 and 15 mm.

As above but 2.5 x 5.5mm jack socket. All available in 14/0.14 and 16/0.2 and 41/0.16

2.5 & 3.5mm mono jack plug



2.5 & 3.5mm mono jack plug moulded onto 2 metres of fig. 8 cable with grommet.

DC jack socket with 1mm pin



1.3 x 3.5 x 10mm jack socket



2.1(2.5) x 55mm R/A jack



6.35mm stereo plug R/A



3.5mm R/A jack gold plated



2.1(2.5)mm in-line connector



Re-wireable 2.1(2.5)mm in-line



Other types available are:

RCA Plug Leads

5 Pin Din

Loudspeaker Din Plugs

TV Hook-up Cable

Computer Cable

Audio phone:

plugs

jacks

adaptors

XLR connectors/adaptors

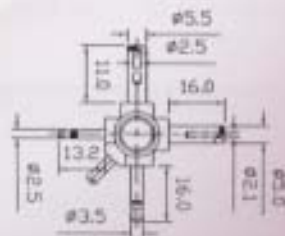
Mini XLR connectors

Fuse: Holders, Fuses, Circuit breakers

DC power jacks



Chassis mount and P.C.B. in I.D:
2.1mm
2.5mm



Technical drawings available on request. Or visit our website.



VDE
Germany



OVE
Austria



CESEC
Belgium



CSA
Canada



DIN
Denmark



FI
Finland



LOR
France



KEMA
Netherlands



NEMKO
Norway



S
Sweden



UL
USA



UL
USA

Cigar socket



Cigar lighter lead



Cigar plug fused



A 12V cigarette lighter plug connected to a dc jack socket.

Cigar plug fused



Cigar plug fused



Croc Clips



DC Adaptor Box

EI41



Available as UK, USA, Euro and flying lead

EI48



Available as UK, USA, Euro and flying lead

EI57



Available as UK and flying lead

EI66, EI84 and EI96



A comprehensive range of plug in and desktop power supply cases moulded in flame retardant ABS 94V-0. Available with shuttered ventilation slots for cooling and to prevent the ingress of particles. All have soldered flying leads from the live and neutral pins. Cover plates are also provided for additional insulation on some ranges.

Technical drawings available on request. Or visit our website.



IDE
Germany



OVE
Austria



CEBEC
Belgium



CSA
Canada



DEMKO
Denmark



FI
Finland



LCE
France



KEMA
Netherlands



NEMKO
Norway



S
Sweden



SEV
Switzerland



UL
United States

Europlug



CLASS 11 CEE7/16
Black/white

Schuko plug



CEE7/7 10/16A/250V
Black/white

Swiss



SEV 1011 10A/250V
Black/white

C14 10A IEC plug



C20 16A IEC plug



Indian / South African



Indian plug (British Standard 546) 15A also 3A and 5A

American



NEMA 5 - 15P 15A
NEMA6 - 15P also available
for 250V

Israeli



16A/250V

Australian



AS 3112 10A/15A
Insulated Pins Black/white

Danish



CEI 23 - 16/V11 10A
Black/white

110V 16A 2p+E



240V 32A 2p+E



Technical drawings available on request. Or visit our website.



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Re-Wireable Sockets

**240V 50Hz 16A 2P+E
Industrial in Line Connector**



French/Belgian in-line connector



Schuko in-line connector



CEE7 10/16A/250V
Black/white

C13 10A IEC socket



C13 10A R/A IEC socket



C15 10A IEC socket



C15 10A R/A IEC socket



C19 16A IEC socket



BS1363A Single Trailing Socket



BS1363A 4 Way Block



Schuko 4 Way Block



4 Way IEC Block



Technical drawings available on request. Or visit our website.



Wherever a detachable cordset is used an equipment coupler pair must be included in the specification. The most common internationally used type of equipment coupler is defined in IEC publication 320, Standard Sheets C13-14. Rated by most agencies at 65°C 'cold condition' it specifies a 3-pin inlet and a mating 3-pin appliance coupler. The coupler can be either rewirable or moulded onto a cordset. UL and CSA allow their use at 15 amps whilst the European agencies have increased the current rating from 6 to 10 amps.

Also available in 'hot condition' where pin temperature can reach 120°C, the inlet features a keyway to ensure the correct

appliance coupler is used. However, it is accepted practice to use a 'hot' appliance coupler with a 'cold' inlet.

Where it is necessary to slave mains powered equipment from a host device, 'reverse' versions of C13 and C14 are available. C13 outlets will be available with safety shutters on line and neutral pins.

Newly available are the C19-20 IEC320 connectors rated at 16amps (20amps in America) and the C5 type "figure 8 style with earth".

C14 Style mains inlet, screw fit 10A/250V



10A/250V: 15A/250V UL & CSA.
Approvals: VED, SEMKO, DEMKO, OVE, NEMKO, KEMA, SEV, SFS, NBN, IMQ
Insulation Resistance: 100M at 500V DC
Dielectric strength: 2000V AC 1 minute
Body material: Black Glass-Fibre Thermoplastic UL 94-0
Available with 4 (157) - 4.8 (187) - 6.3mm (250) tabs

Retention clips available

C14 Style mains inlet, snap fit 10A/250V



10A/250V: 15A/250V UL & CSA.
Approvals: VED, SEMKO, DEMKO, OVE, NEMKO, KEMA, SEV, SFS, NBN, IMQ
Insulation Resistance: 100M at 500V DC
Dielectric strength: 2000V AC 1 minute
Body material: Black Glass-Fibre Thermoplastic UL 94-0
Available with 4 (157) - 4.8 (187) - 6.3mm (250) tabs

C16 Hot condition screw fit inlet 10A/250V



For applications in which a 10AMP rating at 65°C is insufficient, hot condition is rated at 120°C.
This connector includes a key which prevents insertion of the connector intended for "cold" conditions.

PCB Mounting



Approvals: 15A/250V UL & CSA.
10A/250V: VED, SEMKO, OVE, DEMKO, NEMKO, KEMA, SEV, SFS, NBN, IMQ
Insulation resistance: 100M at 500V DC
Dielectric strength: 2000V AC 1 minute
Available in screw fixing and snap-in type.

Technical drawings available on request. Or visit our website.



C8 Style mains connector 2.5A/250V



International Class II Device

3 versions of popular 2 pin IEC cassette/calculator type mains inlets are available:-

Snap-fit, flange fix & pcb/flange mount.

C6 Figure 8 style mains connector 2.5A/250V



International Class I Device

3 versions of popular 3 pin IEC Cloverleaf type mains inlets are available:-

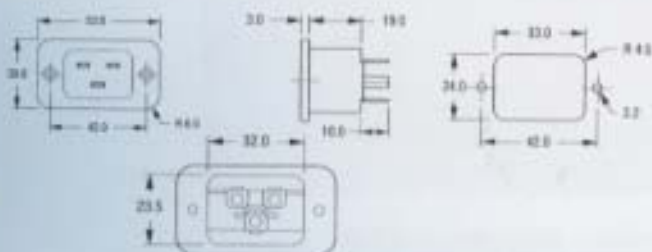
Most commonly used on lap top computers.

C20 16amp connector



These inlets are rated at 16A (20A in North America) and allow the use of detachable cordset where the rating is higher than the 10A maximum for the standard IEC320 connector.

This type is not compatible with other IEC connectors,



1 to 6 way outlet/fused and mains inlet



Combination Inlet/Outlet with fuseholder

Single unit comprising of a male and female 3 pole IEC connector with an integral 20 x 5mm fuseholder connected to male inlet.



Technical drawings available on request. Or visit our website.



Inlet with fuseholder

Inlet with fuseholder accepting 20mm fuses. Fuse link is electrically connected to the socket. The fuse carrier is interlocked and cannot be removed when the cable socket has been inserted nor can the socket be inserted until the carrier is fully home. Storage for one spare fuse is incorporated in the drawer. Rated 250V AC 10A. Available in two types chassis mount or screw fit. Suitable retention clips available when used with a socket, see accessories.



Thickness
0.8 1.21(X=31.43)
1.3 2.04(X=31.63)

IEC320/CEE22 Mains filter with Integral RF Filter

A range of high quality chassis mounted 3-pole IEC inlets are available with integral RF filter. This filter incorporates a live/neutral choke and X/Y suppression capacitors. These products are for protection of digital electronic circuits and attenuate mains borne RF noise both symmetrically and asymmetrically. The metal can also offer excellent screening.

Power Distribution

A range of UK, US, Euro and IEC distribution blocks with cable entry and neon switch.

IEC Multi**Euro Multi****USA Multi**

Technical drawings available on request. Or visit our website.



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Power Outlets

Designed for power supply interconnections between associated equipment where the power is taken from the chassis socket. A rear insulation boot is available for improved safety.

Snap Fit Outlet 10A/250V



Approvals

10A (15A)/250V AC-UL, CSA, VDE, SEV,
SEMKO, NEMKO, DEMKO

Screw Fit Outlet 10A/250V



Rating 10A (15A) 250V AC
Insulation resistance: 100 $\mu\Omega$ at 500V DC
Dielectric Strength... 2000V AC 1 minute
Body material: PB.T 94V-0

Screw Fit Outlet 16A/250V

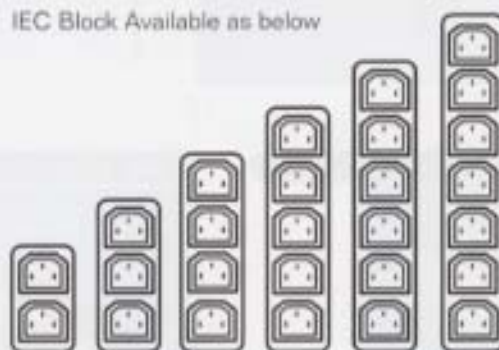


Insulation resistance: 100 $\mu\Omega$ at 500V DC
Dielectric Strength: 2000V AC 1 minute
Body material: PB.T 94V-0

Five Way IEC Outlet Block



IEC Block Available as below



Technical drawings available on request. Or visit our website.



UL
United States



VDE
Germany



CSA
Canada



SEV
Switzerland



NEMKO
Denmark



DEMKO
Denmark



FI
Finland



KEMA
Netherlands



NEMKO
Netherlands



SEV
Switzerland



UL
United States

Grommets CAT-5 Cables

19

Grommets

Our top quality grommets are injection moulded from the highest quality PVC. They are available in two versions - flat cable (2 core) or round cable (2 or 3 core). Their benefits include:

- Exacting manufacturing standards resulting in reduced flashing incidence on grommet fascias.
- Very flexible moulding design accommodating a significant bending radius without detaching from entry/exit point.
- Extraordinary strength
Capable of suspending weight of many kilos.

Strain reliefs provide a liquid - tight seal on the power cord entry and provide extra protection to your power cord. Strain reliefs extend cable life and reinforce the cable connection to your equipment.

All cables in this catalogue available with moulded grommets and a wide range of standard dimension grommets are available ex-stock. Custom grommets can be designed and manufactured on request.

Grommet 1



Grommet 2



Grommet 3



Grommet 4



Cat5 cables



Cat5 patch cords available in various lengths and colours

Technical drawings available on request. Or visit our website.



Y&K
Germany



OVE
Austria



C&S
Belgium



S&P
Canada



D&S
Denmark



F&P
France



V&C
France



K&M
Netherlands



N&S
Norway



S&S
Sweden

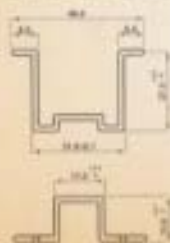


S&S
Switzerland



UL
USA

MCC Part No. STK 923



Cable Description						T [°] C	V
HO3VVH2-F		2 x 0.50	0.21	3.10 x 5.00		70	300/300
HO3VVH2-F		2 x 0.75	0.21	3.30 x 5.40		70	300/300
HO5VVH2-F		2 x 0.75	0.21	3.8 x 6.20		70	300/500
HO5VVH2-F		2 x 1.00	0.21	4.0 x 6.50		70	300/500
HO3VV-F	2 x 0.50		0.21		5.00	70	300/300
HO3VV-F	3 x 0.50		0.21		5.30	70	300/300
HO3VV-F	2 x 0.75		0.21		5.30	70	300/300
HO3VV-F	3 x 0.75		0.21		5.50	70	300/300
HO5VV-F	2 x 0.75		0.21		5.95	70	300/500
HO5VV-F	3 x 0.75		0.21		6.35	70	300/500
HO5VV-F	2 x 1.00		0.21		6.35	70	300/500
HO5VV-F	3 x 1.00		0.21		6.75	70	300/500
HO5VV-F	2 x 1.50		0.26		7.40	70	300/500
HO5VV-F	3 x 1.50		0.26		8.05	70	300/500
HO5RR-F	2 x 0.75		0.21		6.05	60	300/500
HO5RR-F	3 x 0.75		0.21		6.65	60	300/500
HO5RR-F	2 x 1.00		0.21		6.70	60	300/500
HO5RR-F	3 x 1.00		0.21		7.00	60	300/500
HO5RR-F	2 x 1.50		0.26		8.20	60	300/500
HO5RR-F	3 x 1.50		0.26		8.70	60	300/500
HO5RN-F	2 x 0.75		0.21		6.05	60	300/500
HO5RN-F	3 x 0.75		0.21		6.70	60	300/500
HO5RN-F	2 x 1.00		0.21		6.70	60	300/500
HO5RN-F	3 x 1.00		0.21		7.05	60	300/500
HO7RN-F	2 x 1.00		0.21		8.40	60	450/750
HO7RN-F	3 x 1.00		0.21		9.10	60	450/750
HO7RN-F	2 x 1.50		0.26		9.20	60	450/750
HO7RN-F	3 x 1.50		0.26		9.90	60	450/750

Conversion chart for international HAR to USA AWG

Nominal Cross-Sectional Area (mm ²)	Conductor	
	Approx AWG	Number/Diameter of wires (mm)
0.5	22	16/0.2
0.75	20	24/0.2
1.0	18	32/0.2
1.5	16	30/0.25
2.5	14	50/0.25
4.0	12	56/0.3
6.0	10	84/0.3

Technical drawings available on request. Or visit our website.



VDE
Germany



OVE
Austria



CENE
Belgium



CSA
Canada



DIN
Denmark



FI
Finland



LCE
France



KEMA
Holland



NEMKO
Norway



SEKO
Sweden



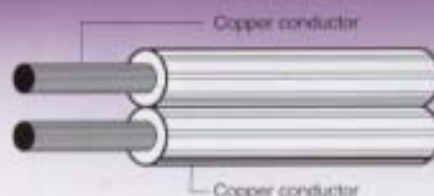
BSI
Switzerland



UL
United States

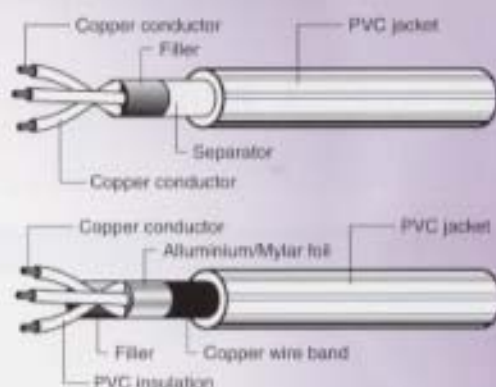
UL/CSA SPT Flexible Cord**Product Description:**

Bare stranded copper conductor
 Colour coded PVC insulation
 Rated temperature 60C - 105C
 Rated voltage: 300 volts
 Passes UL VW-1 & CSA PT2 vertical flame test
 Approvals: UL SPT File No E166124
 CSA SPT file No LL106054
 OSHA acceptable

**Application:**

SPT-1 & SPT-2 for use in household clocks, fans, radios and similar appliances. SPT-2 is just a heavier construction than SPT-1. SPT-3 for heavy-duty locations, especially suitable for refrigerators and room-size air conditioners.

UL Style & CSA Type	Conductor		Core No	Insulation Thickness mm	Overall Diameter mm
	AWG	No./mm			
SPT-1 SPT-1W-A	18	41/0.160	2	0.76	2.70 x 5.40 ± 0.10
	18	41/0.160	3	0.76	2.70 x 7.90 ± 0.10
SPT-2 SPT-2W-A	18	41/0.160	2	1.14	3.50 x 6.90 ± 0.10
	16	65/0.160	2	11.4	3.70 x 7.60 ± 0.10
	18	41/0.160	3	11.4	3.50 x 8.60 ± 0.10
	16	65/0.160	3	11.4	3.80 x 9.60 ± 0.10
SPT-3 SPT-3W-A	18	41/0.160	2	1.52	4.40 x 8.70 ± 0.10
	16	65/0.160	2	1.52	4.50 x 9.10 ± 0.10
	14	41/0.254	2	2.03	6.00 x 10.80 ± 0.10
	12	65/0.254	2	2.41	7.40 x 14.00 ± 0.10
	10	104/0.254	2	2.79	9.10 x 18.20 ± 0.10
	18	41/0.160	3	1.52	4.40 x 10.70 ± 0.10
	16	65/0.160	3	1.52	4.75 x 11.80 ± 0.10
	14	41/0.160	3	2.03	6.00 x 14.50 ± 0.10
	12	65/0.254	3	2.41	7.00 x 15.40 ± 0.10
	10	104/0.254	3	2.79	9.10 x 18.80 ± 0.10

UL/CSA SVT Flexible Cord**Product Description:**

Bare stranded copper conductor
 Colour coded PVC insulation
 Cores twisted together with fillers
 Separator over core
 PVC jacketed water-resistant type
 Rated temperature 60C - 105C
 Rated voltage: 300 volts
 Passes VW-1 vertical flame test

Shielded:

As above but with aluminium mylar
 Bare copper braid shield 85% coverage

Approvals: UL Flexible Cord File No E166124
 CSA flexible Cord File No LL106054
 OSHA acceptable

Application:

For light-duty portable tools, mixers and vacuum cleaners.
 Shielded for power supply cord of computers to EMI/RFI

UL Style & CSA Type	Conductor		Insulation Thickness mm	Braid Shield mm	Jacket Thickness mm	Overall Diameter mm
	AWG	No./mm				
SVT SVTO (unshielded)	18 x 2C	41/0.160	0.38	-	0.76	5.80 ± 0.10
	17 x 2C	52/0.160			0.76	6.40 ± 0.10
	18 x 3C	41/0.160			0.76	6.30 ± 0.10
	17 x 3C	52/0.160			0.76	6.80 ± 0.10
SPT-2W-A	18 x 3C	41/0.160	0.38	16/9/0.127	0.76	7.20 ± 0.10

Technical drawings available on request. Or visit our website.



VDE Germany

OVE Austria

CECC Belgium

CSA Canada

D Denmark

FI Finland

LCE France

KEWA Netherlands

N Norway

S Sweden

S Switzerland

UL United States

UL/CSA SJT Flexible Cord**Product Description:**

Bare stranded copper conductor
 Colour coded PVC insulation
 Cores twisted together with fillers
 Separator over core
 PVC jacketed water-resistant type
 Rated temperature 60C - 105C
 Rated voltage: 300 volts
 Passes VW-1 vertical flame test
 Outdoor use cord type SJTW-a also available

Approvals: UL E166124
 CSA: LL106054
 OSHA acceptable

Shielded:
 Aluminium mylar
 Bare copper braid shield, 85% coverage

Application: For portable hand tools, washing machines, polishers, sanders, dish washers, medical equipment and office machines.

Shielded: for power supply cord of computer to eliminate EMI/RFI

UL Style & CSA Type	Conductor		Insulation Thickness mm	Braid Shield mm	Jacket Thickness mm	Overall Diameter mm
	AWG	No./mm				
SJT SJTO SJTW-A SJTO-A SJTW-A W.R. (unshielded) *SJTW	18 x 2C	41/0.160	0.76	-	0.76	7.30 ± 0.15
	16 x 2C	26/0.254		-		8.10 ± 0.15
	14 x 2C	41/0.254		-		8.70 ± 0.15
	12 x 2C	65/0.254	1.14	-	1.14	9.90 ± 0.15
	10 x 2C	65/0.320		-	1.54	13.70 ± 0.20
	18 x 3C	41/0.160		-	0.76	7.80 ± 0.15
	16 x 3C	26/0.254	0.76	-		8.50 ± 0.15
	14 x 3C	41/0.254		-		9.30 ± 0.15
	12 x 3C	65/0.254		-	1.14	10.50 ± 0.15
	10 x 3C	65/0.320	1.14	-	1.52	14.40 ± 0.20
SJT (Shielded)	18 x 3C	41/0.160	0.76	24/7/0.127	0.76	8.80 ± 0.15
	16 x 3C	26/0.254		24/7/0.127		9.30 ± 0.15
	14 x 3C	41/0.254		24/7/0.160		10.30 ± 0.15

UL/SCA ST Flexible Cord**Product Description:**

Bare stranded copper conductor
 Colour coded PVC insulation
 Cores twisted together with fillers
 Separator over core
 PVC jacketed Oil Resistant type
 Rated temperature 60C-105C
 Rated voltage 300 volts

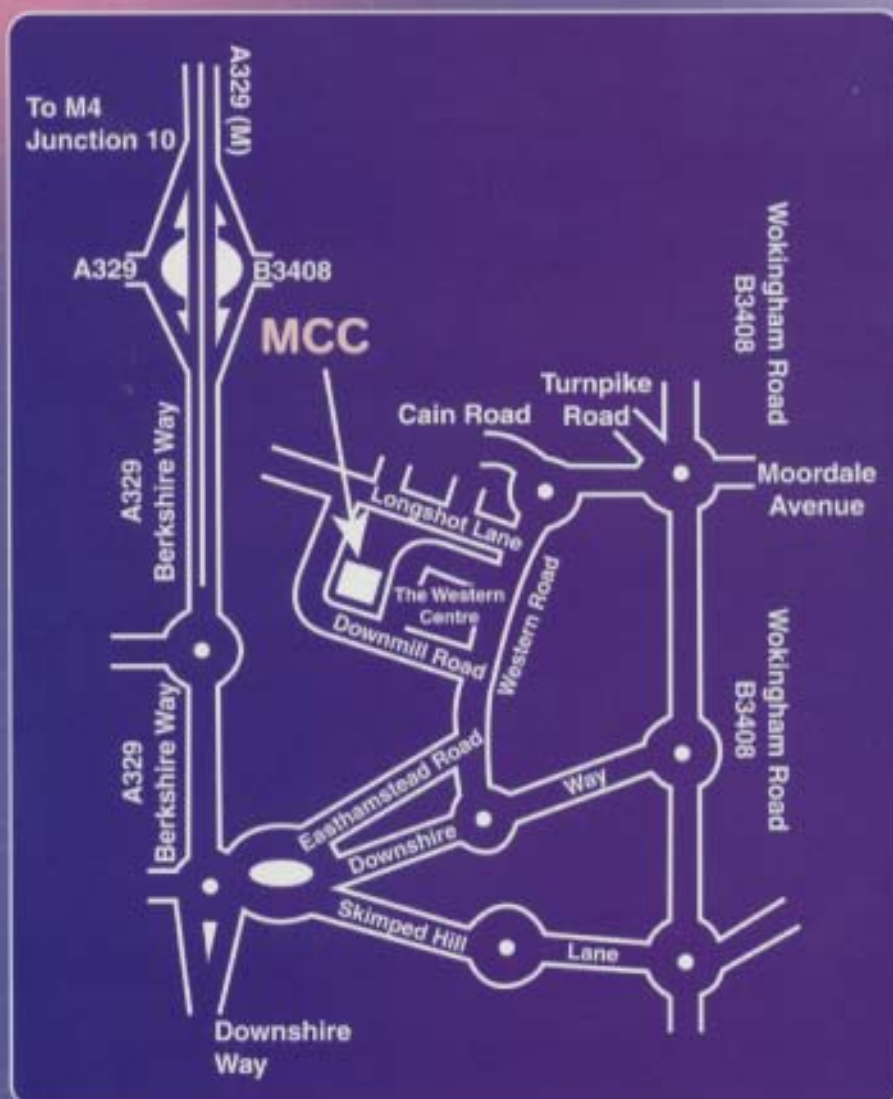
Approvals: UL E166124
 CSA: LL106054

UL Style & CSA Type	Conductor		Insulation Thickness mm	Braid Shield mm	Jacket Thickness mm	Overall Diameter mm
	AWG	No./mm				
ST STO STW-A STOW-A STOW-A W.R. *STW	18 x 2C	41/0.160	0.85	-	1.70	9.30 ± 0.15
	16 x 2C	26/0.254	0.85	-	1.70	10.10 ± 0.15
	14 x 2C	41/0.254	1.20	-	2.80	13.40 ± 0.15
	12 x 2C	65/0.254	1.20	-	2.80	15.30 ± 0.15
	10 x 2C	65/0.320	1.20	-	2.80	16.90 ± 0.15
	18 x 3C	41/0.160	0.85	-	1.70	9.80 ± 0.15
	16 x 3C	26/0.254	0.85	-	1.70	10.60 ± 0.15
	14 x 3C	41/0.254	1.20	-	2.80	14.10 ± 0.15
	12 x 3C	65/0.254	1.20	-	2.80	16.10 ± 0.15
	10 x 3C	65/0.320	1.20	-	2.80	17.90 ± 0.15

Technical drawings available on request. Or visit our website.

VDE
GermanyOVE
AustriaCENEC
BelgiumCSA
CanadaDIN
DenmarkFIM
FinlandLDE
FranceKIM
NetherlandsNEMO
NorwayS
SwedenS
SwitzerlandUL
United States

How to find us



For further information visit our website

www.mcc-cables.com



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