

TYPE 43 ASSEMBLY INSTRUCTIONS SOCKET ES & FS; PLUG FS & GTS

1) Slide crimp sleeve over cable.
Using STRIPPER CABLE COAXIAL 8A (for 2001/2/3) or STRIPPER CABLE COAXIAL 9A (for 3002) trim cable to dimensions shown in figure 1

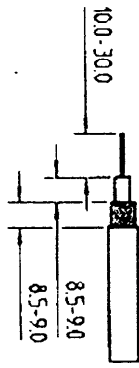


Figure 1

2) Slide crimp lead adaptor over centre conductor until it butts on the dielectric.
(For 2001/2 (insl stranded centre conductor.)
Using NIPPERS CENTRE CONDUCTOR 3A buffed against adaptor trim the centre conductor as shown in figure 2



Figure 2

3) Push centre contact onto cable, through the hole in the adaptor until it butts on the dielectric figure 3. Check that the centre conductor is visible through the inspection hole. figure 4.



Figure 3



Figure 4

4) Insert the adaptor/contact assembly into the hexagonal section of the PLIERS CRIMPING 9A. Push the assembly fully in against the contact plunger as figure 5.

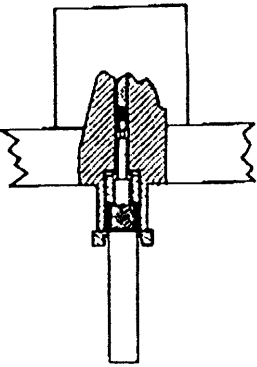


Figure 5

5) Crimp the contact. Withdraw the assembly from the tool and remove the adaptor. Check that the centre conductor is visible through the inspection hole. figure 6

6) Insert the contact/cable into the connector, make sure the contact is straight. Gently twist the cable to spread the braid sufficiently to go over the knurled ferrule. Continue to push until the assembly is full to click into position. For the sockets only the contact will be flush with the face of the insulator

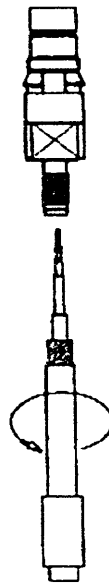


Figure 6

7) Check the braid is covering the knurl. Slide the crimp sleeve forward until it butts against the body of the connector. Crimp with PLIERS CRIMPING 6A using the die as shown in table. The die should abut the connector body.

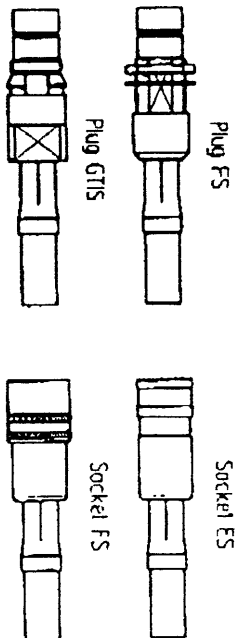


Figure 7

Plug	BT rel	Socket	Socket.	Cable type	Cable group	Die sel	BS rel
43/1GTS	43/1FS	43/1FS	43/1ES	2001	280	XED	C
43/2GTS	43/2FS	43/2FS	43/2ES	2002	117	XM	O
43/3GTS	43/3FS	43/3FS	43/3ES	2003	062	X1A	R
43/4GTS	43/4FS	43/4FS	43/4ES	RG179B/U	022	XCF	B
43/5GTS	43/5FS	43/5FS	43/5ES	3002 & TZC75024	437	XED	C
				RG59B/U	A25	XH	E

TYPE 43 ASSEMBLY INSTRUCTIONS SOCKET AS & BS; PLUG AS & CTIS

1) Slide crimp sleeve over cable.
Strip cable to dimensions shown in figure 1

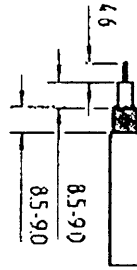


Figure 1

2) Push centre contact onto cable until it butts on dielectric figure 2. Check that the centre conductor is visible through the inspection hole, figure 3.



Figure 2



Figure 3

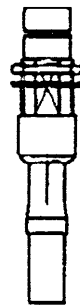
3) Solder the centre conductor into the contact.
Make sure no excess solder is left on the contact surface.

4) Insert the contact/cable into the connector, make sure the contact is straight.
Gently twist the cable to spread the braid sufficiently to go over the knurled ferrule. Continue to push until the assembly is felt to click into position.
For the sockets only the contact will be flush with the face of the insulator.



Figure 4

5) Check the braid is covering the knurl.
Slide the crimp sleeve forward until it butts against the body of the connector. Crimp with PLERS CRIMPING 6A using the die as shown in table. The dies should cover the connector body.



Plug AS



Socket AS



Plug BS



Socket BS

Figure 5

Plug	Plug	Socket	Socket	Cable type	Cable group	Die set	BS ref
43/1CTIS	43/1AS	43/1AS	43/1BS	2001	280	XED	C
43/2CTIS	43/2AS	43/2AS	43/2BS	2002	117	XM	Q
43/3CTIS	43/3AS	43/3AS	43/3BS	2003	062	X1A	R
43/4CTIS	43/4AS	43/4AS	43/4BS	RG1798/U	072	XCF	B
43/5CTIS	43/5AS	43/5AS	43/5BS	3002 & TZC75024	437	XED	C
				RG598/U	A25	XH	E

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TYPE 43 ASSEMBLY INSTRUCTIONS STYLES: SOCKET C & PLUG B

1) Slide crimp sleeve over cable. Strip the cable to the dimensions shown in figure 1

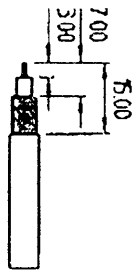


Figure 1

2) Gripping jacket of cable close to frayed end gently twist delicate to slightly spread the braid, see figure 2.

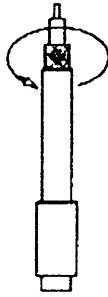


Figure 2

3) Check that the slot in the contact is aligned with the cable entry hole. Check that the centre conductor is straight. Push the cable into the ferrule until the braid butts against the face of the clamp nut. For stranded conductors make sure all the strands lie in the contact slot.

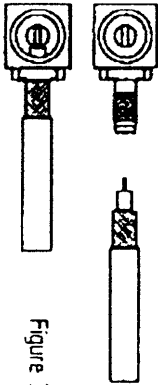


Figure 3

4) Push the crimp sleeve forwards over the braid until it butts on the clamp nut. Using PLIERS CRIMPING 6A and the die indicated in the table crimp the braid. The dies should about the clamp nut.

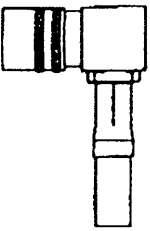


Figure 4

5) Solder the centre conductor into the contact. Make sure no excess solder remains on the contact, see figure 5.

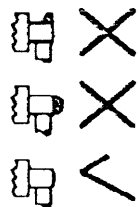
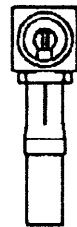


Figure 5

6) Insert the cap and retain using a light punch. Do not over indent the cap

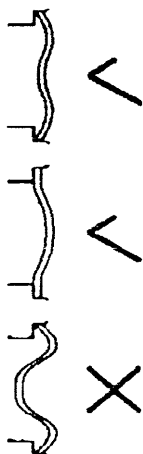


Figure 6

Plug	BT ref	Socket	Cable type	Cable group	Die sel	BS ref
43/1B	43/1B	43/1C	2001	280	XED	C
43/2B	43/2B	43/2C	2002	117	XW	R
43/3B	43/3B	43/3C	2003	062	XIA	B
43/4B	43/4B	43/4C	R6179B/U	022	XCF	B
43/5B	43/5B	43/5C	3002 & TZC75024	437	XED	C



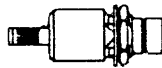
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TYPE 43



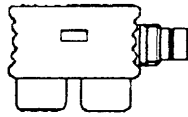
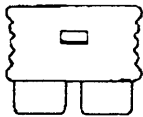
Part Number	Cable Type
B67A64T280XMP	BT2001
B67A64T117XMP	BT2002
B67A64T062XMP	BT2003
B67A64T022XMP	RG179B/U
B67A64T437XMP	BT3002, T2C75024
B67A64TA25XMP	RG59B/U

Part Number	Cable Type
B67B44T280XMP	BT2001
B67B44T117XMP	BT2002
B67B44T062XMP	BT2003
B67B44T022XMP	RG179B/U
B67B44T437XMP	BT3002, T2C75024
B67B44TA25XMP	RG59B/U



Part Number	Cable Type
B67H64T280XMP	BT2001
B67H64T117XMP	BT2002
B67H64T062XMP	BT2003
B67H64T022XMP	RG179B/U
B67H64T437XMP	BT3002, T2C75024
B67H64TA25XMP	RG59B/U

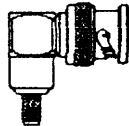
Part Number	Cable Type
B67H66T280XMP	BT2001
B67H66T117XMP	BT2002
B67H66T062XMP	BT2003
B67H66T022XMP	RG179B/U
B67H66T437XMP	BT3002, T2C75024
B67H66TA25XMP	RG59B/U
B67H66T483XMP	RD179



Part Number
B67Z28T999XMP

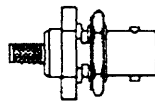
Part Number
B67Z31T999XMP

BNC



Part Number	Cable Type
B37A55J280XMP	BT2001
B37A55J117XMP	BT2002
B37A55J062XMP	BT2003
B37A34J022XMP	RG179B/U
B37A55J437XMP	BT3002, T2C75024
B37A55J482XMP	CT1320

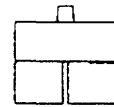
Part Number	Cable Type
B37B97J280X99	BT2001
B37B97J117X99	BT2002
B37B97J062X99	BT2003
B37B28J022X99	RG179B/U
B37B97J437X99	BT3002, T2C75024



Part Number	Cable Type
B37E97J280X99	BT2001
B37E97J117X99	BT2002
B37E97J062X99	BT2003
B37E43J022X99	RG179B/U
B37E97J437X99	BT3002, T2C75024

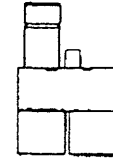
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B37H97J280X99	BT2001
B37H97J117X99	BT2002
B37H97J062X99	BT2003
B37H45J022X99	RG179B/U
B37H97J437X99	BT3002, T2C75024

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Part Number	Cable Type
B67A75T022XMP	RG179B/U
B67A75T437XMP	BT3002, T2C75024

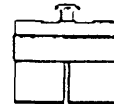
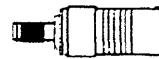
Part Number
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Part Number	Cable Type
B67H74T280XMP	BT2001
B67H74T117XMP	BT2002
B67H74T062XMP	BT2003
B67H74T022XMP	RG179B/U
B67H74T437XMP	BT3002, T2C75024
B67H74TA25XMP	RG59B/U

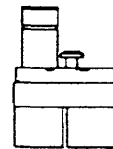
Part Number
B67Z04T999XMP

UHDC43



Part Number	Cable Type
U67A84T022XMP	RG179B/U
U67A84T437XMP	BT3002, T2C75024
U67A84T482XMP	CT1320

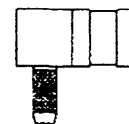
Part Number
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Part Number	Cable Type
U67H64T117XMP	BT2002
U67H64T062XMP	BT2003
U67H64T022XMP	RG179B/U
U67H64T437XMP	BT3002, T2C75024
U67H64TA25XMP	RG59B/U
U67H64T482XMP	CT1320

Part Number
U67Z31T999XMP

SMB



Part Number	Cable Type
B65A71G022XMP	RG179B/U
B65A61G437XMP	BT3002, T2C75024
B65A61G482XMP	CT1320

Part Number	Cable Type
B65B37G022XMP	RG179B/U
B65B37G437XMP	BT3002, T2C75024

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TELECOM PRODUCTS

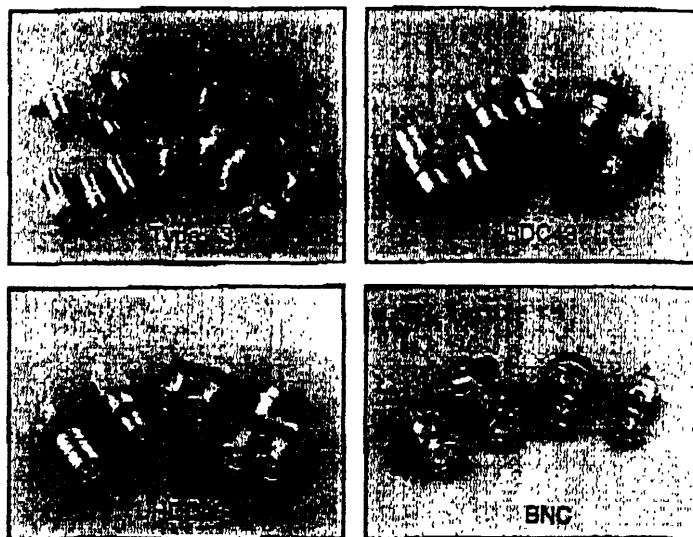
M/A-COM offer the most extensive range of coaxial connectors and cable assemblies for the telecom industry. Our constantly expanding engineering and research and development teams, and our continued commitment to excellence means that M/A-COM have a product range which will continue to lead the market in all fields.

To assist engineers and buyers in identification of M/A-COM products suitable for Telecoms applications we have compiled the following features/benefits listing and the key part number selection guide overleaf. Detailed catalogues encompassing the full range of products are also available.

Features/Benefits

- **Type 43 - 75Ω SMB connector family** inclusive of cable, DDF and PCB variants.
- **HDC - High Density Connector 43** offers greater density over the standard Type 43 DDF system with capacity of 3072 plugs within a 750mm frame.
- **UHDC - Ultra High Density Connector 43** offers further space saving utilizing 4608 plugs within a 750mm frame
- **Latching mechanism** - A knurled sleeve locks the connector preventing accidental disconnection caused by pulling of the cable. It is released by pushing the sleeve forward when connecting and pulling it back when disconnecting
- **Selective gold plating of mating faces** - maintains electrical performance of products but keeps costs to a minimum.
- **Quick fit DDF block mounting "GTIS"** - Offers reduced installation time. When terminated the connectors snap into the DDF mounting block eliminating nuts, washers and torque spanners.
- **75Ω Impedance** - Specifically designed to carry digital signals in 75Ω coax.
- **High reliability** - Complies with a battery of technical, electrical and environmental requirements.
- **Single piece design** - All straight cable variants utilise the British Telecom approved 'single piece design'. This offers a saving of up to 30% on assembly time over previous designs and the reduction in component parts being handled by installation personnel reduces the risk of operator errors.
- **BS standard** - Our products are fully compliant with, and exceed the requirements of BS9210: F0022.
- **Packaging** - Connectors are supplied in multi-packs which offer additional benefits over individual packaging.
- **Tooling** - M/A-COM offer a complimentary range of tooling to accompany each range of product.

M/A-COM's expertise in this field has enabled us to design products which are at the forefront of a continually evolving market. M/A-COM are always interested in feedback from users of our products and will continue to work with our customers to meet their changing requirements.



Electrical/Mechanical Specification

		Type 43 Series	BNC	SMB
ELECTRICAL	Impedance (ohm)	75	75	50
	Max Working Voltage (dc)	500V	500V	500V
	Max Proof Voltage (dc)	1.5kV	2kV	1.5kV
	Contact Resistance (Inner)	5m ohm	1.5m ohm	5m ohm
	Contact Resistance (Outer)	1m ohm	1m ohm	2.5m ohm
MECHANICAL	Bodies and Other Parts	Brass	Brass	Brass
	Female Centre Contacts	Copper Alloy	Brass	Be Cu
	Male Centre Contacts	Copper Alloy	Brass	Brass
	Outer Contacts	Be Cu	Brass	Brass
	Plating	Nickel/Gold	Nickel/Gold	Gold/Gold
	Gaskets	Silicone Rubber	Silicone Rubber	Silicone Rubber
	Insulators	P.T.F.E.	P.T.F.E.	P.T.F.E.

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