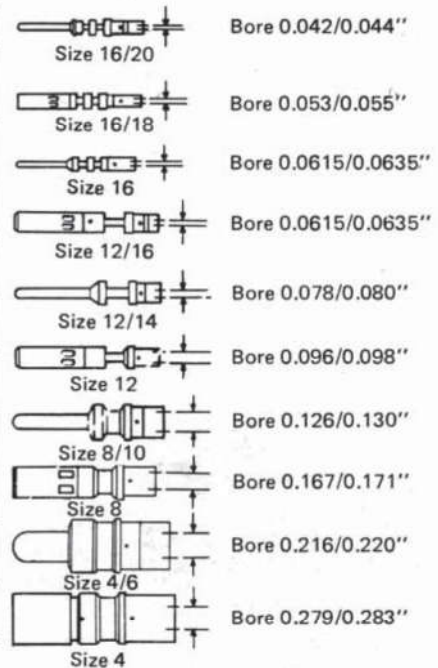


Contacts

CABLE CONDUCTOR		CONTACTS			
Stranding	Area (square inches)	Size	Part Numbers [†]		Identification
19/0.0076"	0.00086	16/20	Plug Pin Socket Insert	508/2/05604 508/1/05602	Two Grooves
23/0.0076" 33/0.0076"	0.001 0.0015	16/18	Plug Pin Socket Insert	508/2/05603 508/1/05601	One Groove
40/0.0076"	0.0018	16	Plug Pin Socket Insert	508/2/03547 508/1/04585	Nil
70/0.0076"	0.0032	12/14	Plug Pin Socket Insert	508/2/09361 508/1/09374	One Groove
110/0.0076"	0.0050	12	Plug Pin Socket Insert	508/2/09360 508/1/09373	Nil
73/0.012"	0.0083	8/10	Plug Pin Socket Insert	508/2/00409 508/1/00407	One Groove
120/0.012"	0.0136	8	Plug Pin Socket Insert	508/2/09363 508/1/09376	Nil
182/0.012"	0.206	4/6	Plug Pin Socket Insert	508/2/00406 508/1/00404	One Groove
294/0.012"	0.0335	4	Plug Pin Socket Insert	508/2/09364 508/1/09377	Nil



[†] Add /001 for gold plated or /002 for silver plated.

Experience gained over many years has proved that contacts carefully machined from the finest quality brass, and silver or gold plated are ideally suited for the conditions encountered in normal usage; the advanced design of the socket insert with the internal spring and solid ring entry has proved to be without parallel in its field, ensuring perfect contact and low resistance to the flow of current with minimum voltage drop.

The range of contacts for the UK-AN connector has also been designed to allow a crimped joint on a wide range of cables without the use of sleeves. Both the size 16 and size 12 contacts are available with three different sizes of conductor well to accommodate the smaller cables, and to facilitate identification, a series of grooves is machined at the conductor well end. Details of the whole range of contacts are given above together with dimensions of cables to which a crimped connection may safely be made.

Selection of contacts

In view of the variations of contacts which are available, it is not possible to supply any connector complete with contacts under one part number.

Therefore it is essential that all contacts are specified separately when ordering UK-AN connectors.

Selection of suitable contacts must be governed by (a) the size of the contact as defined by the contact arrangement and (b) the dimensions of the conductor of the cable to be used.

Although the following table gives details of a variety of cables which may be crimped, any other cable of similar conductor area and diameter may also be used.

The use of size 16 square form crimping dies allows the small equipment wires to be crimped without doubling the conductor. Square form crimping dies should always be used for crimping cables with nickel plated conductors or where connectors are used at temperatures above +150°C.