

The original U.S. Department of Defense circular connectors were developed in the 1930s for severe aeronautical and tactical service applications. These early connectors were referred to as "Type AN" (Army-Navy). This series set the standard for modern military circular connectors. Today, these connectors are often called Military Standard, "MIL-STD", "MIL-SPEC", "MIL-EQUAL" or "MIL-EQUIV" connectors. They are commonly used in aerospace, industrial, marine, commercial, and automotive applications.

As a result of their acknowledged ruggedness and durability, they have become widely accepted in industrial applications. Mencom has designed, and now offers an Industrial Equivalent, to the MIL-Spec 5015 connector series, in order to meet the strong demand from various industries.

Applications

- Communications systems
- Motorized Conveyors
- Factory automation
- Motion control
- Industrial machinery
- Industrial Instrumentation
- Medical instrumentation
- Mining equipment
- Mobile equipment
- Earth-moving equipment
- Motors
- Robotics
- Sensors
- Ships
- Transportation

5015 Industrial MIL-SPEC Equivalent

Mencom MIL-Spec circular connectors include completely over-molded cord sets and pre-wired & epoxied panel mount receptacles. This plug and play design simplifies the installation for the user and eliminates the risk of incorrectly wiring the connector. The same size connector may offer a choice of contact sizes and arrangements that allow for power, signal, or combinations of both to perfectly fit your application.

The end-user no longer has to assemble the connectors or mess around with soldering, unless they prefer our field installable version. The standard connectors are provided with the familiar North American Color Codes recognized in the industrial market, but customer specific cables and color codes are possible upon request.





MIL-SPEC Series Cordsets

5015 Industrial Equiv. Cordsets Part Number Matrix



Not all options available with all cables - Please consult factory

MS - - - -

Shell Size

10SL
14S
16S
18

Cable Type

Blank = PVC
M = Foil Shield
B = Braided Shield
P = PUR
W = TPE

Number of Conductors

2
3
4
5
6
7
10

Insert Clocking Position

A
B
C
D

Coupling Nut

Blank = Nickel Plated Aluminum
BA = Black Anodized Aluminum

Cable Color

Blank = Yellow
B = Black

Length in Meters

1M
2M
4M
5M
6M
10M
15M

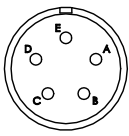
Other lengths are available by request.

Connector Configuration

MP = Male Plug - 16 awg
FP = Female Plug - 16 awg
MFP = Male / Female Extension - 16 awg
MPX = Male Plug - 18 awg
FPX = Female Plug - 18 awg
MFPX = Male / Female Extension - 18 awg

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MIL-SPEC Series Insert Arrangement

MIL-SPEC 5015 Industrial Equiv. Cross Reference



2, 3, 4 & 5 Pole | Contact Size 16

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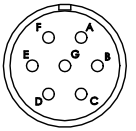
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Size 10SL: 0.6250"-24NEF						
	2 Pole	3 Pole		4 Pole	5 Pole (5, 5A, 5B)	
Male Faceview				N/A	N/A	
Insert Arrangement	10SL-2	10SL-3				
5015 Cross Reference	10SL-4	10SL-3				
Size 14S: 0.8750"-20UNEF						
Male Faceview						
Insert Arrangement	14S-2	14S-3A	14S-3B	14S-3C	14S-4	14S-5
5015 Cross Reference	14S-9	14S-1	14S-7	14S-12	14S-2	14S-5
Size 16S: 1.000"-20UNEF						
Male Faceview				N/A		
Insert Arrangement	16S-2	16S-3A	16S-3B		16S-5	
5015 Cross Reference	16S-4	16S-5	16S-6		16S-B	
Size 18: 1.1250"-18UNEF						
Male Faceview	N/A					
Insert Arrangement		18-3	18-4	18-5A	18-5B	
5015 Cross Reference		18-22	18-4	18-20	18-29	



MIL-SPEC Series Insert Arrangement

MIL-SPEC 5015 Industrial Equiv. Cross Reference



5, 6, 7 & 10 Pole | Contact Size 16

Size 10SL: 0.6250"-24NEF						
	5 Pole (5C, 5D)	6 Pole	7 Pole	10 Pole		
Male Faceview	N/A	N/A	N/A	N/A		
Insert Arrangement						
5015 Cross Reference						
Size 14S: 0.8750"-20UNEF						
Male Faceview				N/A		
Insert Arrangement		14S-6	14S-7			
5015 Cross Reference		14S-6	14S-A7			
Size 16S: 1.000"-20UNEF						
Male Faceview		N/A		N/A		
Insert Arrangement			16S-7			
5015 Cross Reference			16S-1			
Size 18: 1.1250"-18UNEF						
Male Faceview				N/A		
Insert Arrangement	18-5C	18-5D	18-6	18-10A	18-10B	
5015 Cross Reference	18-30	18-31	18-12	18-11	18-19	

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