

MILITARY SPECIFICATION

CONNECTORS, PLUG, ELECTRICAL, WATERPROOF
(CATHEDRAL SHAPE, SHELL SIZE 26,
MALE INSERTS)

1. SCOPE

1.1 Scope.- This specification covers the detail requirements for the following types of field-serviceable, shell-size 26, cathedral-shape, waterproof, electrical-plug connectors with male inserts:

UW1326MC19	UW1326ME31
UW1326MC21	UW1326ME33 ¹
UW1326MC23	UW1326MF25 ¹
UW1326MC25	UW1326MF27 ¹
UW1326MD25	UW1326MF29 ¹
UW1326MD27	UW1326MF31 ¹
UW1326MD29	UW1326MF33 ¹
UW1326MD31	UW1326MG25
UW1326MD33	UW1326MG27
UW1326ME25	UW1326MG29
UW1326ME27	UW1326MG31
UW1326ME29	UW1326MG33

1.2 Ratings.- Connectors covered by this specification shall have the electrical ratings specified in table 1.

Table 1 - Electrical ratings

Connector type	Limiting operating voltage (sea level)		Nominal current
	AC	DC	Amperes
UW1326MC19 to UW1326MC25, incl	900	1,250	22
UW1326MD25 to UW1326MD33, incl	500	700	22
UW1326ME25 to UW1326ME33, incl	500	700	11
UW1326MF25 to UW1326MF33, incl	500	700	11
UW1326MG25 to UW1326MG33, incl	900	1,250	73

2. APPLICABLE DOCUMENTS

2.1 The following specifications, of the issue in effect on date of invitation for bids, form a part of this specification:

SPECIFICATIONS

MILITARY

MIL-C-12520	Connectors, Plug and Receptacle (Electrical, Waterproof); and Accessories); General Specification for.
MIL-C-12520/11A	Connectors, Receptacle, Electrical, Waterproof (Shell Size 26, Female Inserts).

(Copies of specifications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements.- Requirements shall be in accordance with Specification MIL-C-12520, and as specified herein.

3.2 Design and construction.- Connectors shall be of the design, construction, and physical dimensions specified on figure 1.

3.2.1 Assembly.- Connectors shall be capable of being disassembled to allow access to the contact terminals without the use of special tools.

3.3 Marking.- Marking shall be in accordance with Specification MIL-C-12520, except that connectors shall be marked with letters approximately 1/8 inch high.

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection.- Sampling and inspection shall be in accordance with Specification MIL-C-12520, and as specified herein.

4.2 Test and mating receptacles.- The test and mating receptacles shall be in accordance with the applicable type covered by Specification MIL-C-12520/11A.

4.3 Dielectric withstanding voltage.- Connectors with insert-arrangements C and G shall be subjected to a test potential of 2,800 volts root mean square (rms). Connectors with insert-arrangements D, E, and F shall be subjected to a test potential of 2,000 volts rms.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-C-12520.

6. NOTES

6.1 Notes.- In addition to the notes specified herein, the notes specified in Specification MIL-C-12520 are applicable to this specification.

6.2 Intended use.- Connectors covered by this specification are intended for use where field-serviceable, waterproof, electrical connectors are required

6.2.1 Mating receptacle connectors.- Mating receptacle connectors are in accordance with Specification MIL-C-12520/11A.

6.2.2 Cover and chain assemblies.- Cover and chain assemblies are in accordance with style 1N of Specification MIL-C-12520/13A "Cover and Chain Assemblies (Internal Threads, for Use on Waterproof Connectors)".

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Preparing activity

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