

Amphenol® Submariner 5500-Series Dry Mate Underwater Connectors

Amphenol Industrial Global Operations is proud to offer a series of Subsurface dry-mate connectors. The Submariner 5500-Series is manufactured by our Amphenol Oil & Gas Technologies division. These underwater electrical connectors are extremely rugged and reliable. The rugged metal shells and recessed pins assure reliable performance in the most demanding environments. All polymer-to-metal bonding surfaces are carefully sandblasted, cleaned, primed, and molded using proven techniques and bonding agents. The Submariner 5500-Series is available in 2 different shell sizes and a variety of configurations with wire gauges ranging from 10-16 AWG.

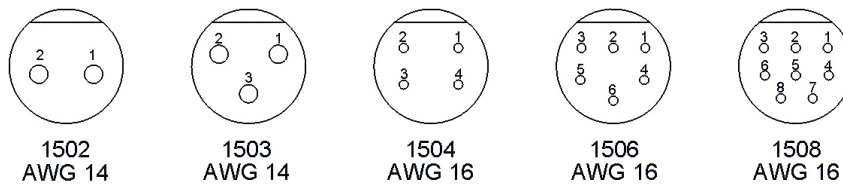
Features:

- Depth: > 6,000 meters (600 bar)
- Operating Temperature: -5°C to 65°C
- Max Operating Voltage: 600V
- Machine-molded Neoprene insulation material
- Made from 316 Stainless Steel
- Gold-plated Contacts per MIL-G 45204 at 30microns
- Cable assembly/pigtail available
- Fully compatible with other industry standard connectors

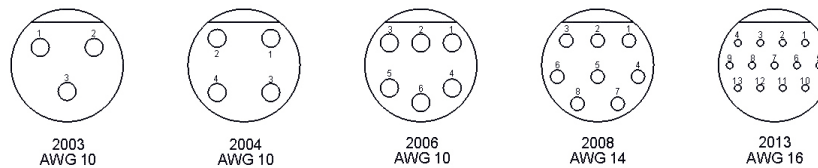
Specifications - 5500 SERIES

Operational		Material	
Max Current	10A: 2420 12A : 13A: 2008 15A: 1502,1503,2006 18A: 2003,2004	Molding	Low Carbon Neoprene
Max Voltage	600V	Bulkhead	316 Stainless Steel
Insulation	>250 megaohm	Contacts	Gold plated per MIL-G 45204 Type II, Grade D, Class 00
Contacts	<0.01 ohm	Pin	Brass
Mating	>500	Sockets	Beryllium Copper
Temperature	-5C - +65C	Locking Sleeve Material	316 Stainless with Teflon coated threads
Depth	>6,000m (600 bar)	In-line cable	AWG 16: 60cm (1.32 mm2) 26/30 stranding AWG 18: 60cm, (0.82 mm2) 16/30 stranding
		BH leads	AWG 16 60cm, Teflon 19/29 AWG 18 60cm, Teflon, 19/30

SHELL SIZE 15 PIN LAYOUT



SHELL SIZE 20 PIN LAYOUT



How to order

1	2	3	4	5	6
55	0	1	-20	06	-0003
Series	Designation	Model Type	Shell Type	Contact Configuration	Cable Length in Feet
55	0-600V Standard	1-CCP	15	02 (Shell Size 15 Only)	Varying length upon request
		6-FCR	20	13 (Shell Size 20 Only)	
		7-BCR		03, 04, 06, 08 (Shell Sizes 15 and 20 Only)	

Example: 5501-2006-0003 denotes; 55 Series, 600V, model CCP, shell size 20, 6 contacts with a length of 3 feet.

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