

## 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:

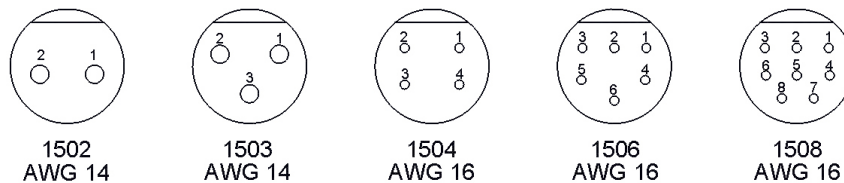
- Depth: > 6,000 meters (600 bar)
- Operating Temperature: -5°C to 65°C
- Max Operating Voltage: 600V
- Machine-molded Neoprene insulation material
- Made from 316 Stainless Steel
- Gold-plated Contacts per MIL-G 45204 at 30microns
- Cable assembly/pigtail available
- Fully compatible with other industry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



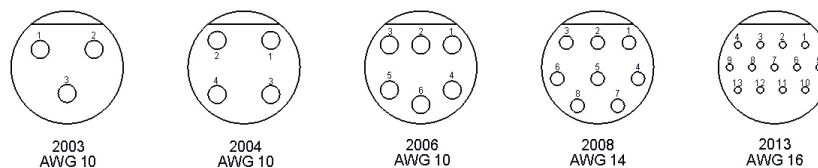
# Specifications - 5500 SERIES

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.

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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