



Technical Data Sheet
SUPER G55 SERIES CONNECTORS



Technical Information

Introduction

Glenair Super G55 Series are dry-mate subsea electrical connectors capable of performing at 10,000psi (22,500ft/7,000m). Their designs are based on industry standard connectors and are fully compatible with existing products. Specially formulated Neoprene™ rubber and new manufacturing processes enable a high performance with Super reliability.

All connectors have been subjected to and passed the following criteria. (Full test report available)

Requirements

PROPERTY	UNIT	REQUIREMENTS	TEST METHOD
Electrical			
Insulation Resistance (IR)	Ω	>1G Ω	EIA-364-21
Dielectric Withstand Voltage (DWV) 1800v, 30 secs	mA	<2mA Leakage Current	EIA-364-20
Environmental			
Thermal Shock 10 Cycles, -20°C - +105°C		The samples maintained functionality (<i>including pressure performance</i>)	EIA-364-32 Method A
Salt Spray 500 hours, 5% salt solution		The samples showed no signs of corrosion or delamination.	EIA-364-26 condition C
Durability			
500 Mating Cycles		The samples maintained functionality (<i>including pressure performance</i>)	EIA-364-9
Subsea Performance			
Hydrostatic Pressure Test 10,000psi 2 hour duration Open face and mated		All samples showed no signs of water ingress, mated connectors maintained IR >100MΩ throughout the test. Samples showed no signs of delamination or permanent deformation.	