Marine Grade CAT6A Ethernet Cable

This cable is designed for use in marine environments such as ships and oil platforms. The armored cable is suitable for direct burial and outdoor installation, making it ideal for data centers and SANS.

Overview

Marine Grade CAT6A Connectivity

This high-performance CAT6A Ethernet cable is specifically engineered for demanding marine environments, offering robust signal integrity up to 500 MHz. Featuring a specialized SHF2 jacket, it provides exceptional resistance to oil, mud, and flame, ensuring reliability in harsh conditions. With double shielding including AL/Mylar screens and a tinned copper braid, it delivers superior protection against electromagnetic interference.

Technical Parameters

Characteristic Impedance

100 ©
Impedance

Temperature Range	-40°C ~ 80°C
Test Voltage	1000 V
Insulation Resistance	e5 Ω/km

Construction & Materials

Construction Materials

Component	Material
Conductor	Stranded bare copper
Insulation	Foamed PE
Shield	AL/Mylar & Tinned copper braid
Inner Jacket	SHF1
Armored	SWB (Galvanized steel wire braid)
Outer Jacket	SHF1 / SHF2

Minimum Bending Radius

- Fixed Application (Non-armored): 8D
- Fixed Application (Armored): 12D

Compliance & Features

Key Features

Flame Resistant • Oil Resistant • Mud Resistant • EMI Shielded

Reference Standards	IEC61156-5, EN50173, ISO/IEC11801