

Marine Grade CAT7A Ethernet Cable

This Ethernet cable is designed for marine and offshore environments, including ships and oil platforms. The armored cable is suitable for direct burial and outdoor installation in data centers and SANS.



Overview

Marine Grade Reliability

This Marine Grade CAT7A Ethernet cable is engineered for demanding industrial and maritime environments, supporting signal transmission frequencies up to 1000 MHz. Featuring a robust SHF2 jacket, it offers exceptional resistance to oil and mud, ensuring durability in harsh conditions. The cable construction includes individual AL/Mylar shielding and an overall tinned copper braid to provide superior protection against electromagnetic interference (EMI).

Technical Specifications

Minimum Bending Radius

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

Operating Temperature	-40°C to 80°C
Test Voltage	1000 V
Characteristic Impedance	100±15Ω @ 100MHz
Insulation Resistance	e6@1m

Construction

Cable Construction

Component	Material
Conductor	Stranded bare copper
Insulation	Foamed PE
Shielding	AL/Mylar individual screen + Tinned copper braid
Inner Jacket	SHF1
Armoring	SWB (Galvanized steel braid)
Outer Jacket	SHF1 / SHF2

Compliance & Features

Reference Standards

IEC61156-5 • EN50173 • ISO/IEC11801

Key Features	Flame Resistant (IEC60332-1), Flame Resistant (IEC60332-3), EMI Resistant, Oil Resistant, Mud Resistant
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