

Marine Grade CAT6 Ethernet Cable

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



Overview

Marine Grade CAT6 Ethernet Cable

This high-performance Marine Grade CAT6 Ethernet cable is engineered for reliable data transmission in the most demanding maritime environments. Featuring advanced shielding against electromagnetic interference and a robust, oil-resistant SHF2 jacket, it ensures stable connectivity on boats, yachts, and offshore platforms. Built to withstand extreme temperatures and harsh conditions, this cable is the ideal solution for critical networking applications.

Technical Parameters

Test Voltage

1000 V

Test Voltage

Operating Temperature	-40°C to 80°C
Characteristic Impedance	100 Ω
Insulation Resistance	e6@m

Construction & Materials

Cable Construction

Component	Material/Detail
Conductor	Stranded bare copper
Insulation	Foamed PE
Shield	AL/Mylar individual screen + tinned copper braid
Inner Jacket	SHF1
Armored	SWB (Galvanized steel wire braid)
Outer Jacket	SHF1 / SHF2

Minimum Bending Radius

- Non-armored: 8D (D = cable diameter)
- Armored: 12D (D = cable diameter)

Features & Standards

Key Features

Flame Resistant • EMI Shielded • Oil Resistant • Mud Resistant

Standards

IEC61156-5, EN50173, ISO/IEC11801, IEC60332-1, IEC60332-3

Max Transmission Frequency

250 MHz