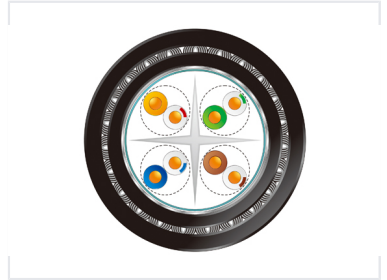


CAT6 Ethernet Cable for Harsh Environments

This CAT6 Ethernet cable is designed for high-speed data transmission in cabling systems. It is suitable for fixed installation and burial in mines, tunnels, and other outdoor areas prone to pests and rodents.



Overview

Rugged CAT6 Performance

This high-performance CAT6 Ethernet cable is specifically engineered for demanding environments where reliability is critical. Featuring robust construction with galvanized steel wire braid and a durable nylon jacket, it offers superior protection against pests, rodents, and termites. Designed for high-speed data networks, it supports signal transmission up to 250 MHz, making it an ideal solution for industrial and harsh-environment applications.

Technical Parameters

Operating Temperature

-40 °C

Minimum

80 °C

Maximum

Test Voltage	1000 V
Characteristic Impedance	100±15Ω
Insulation Resistance	e6@M
Min. Bending Radius	15D (Fixed Application)
Standards Compliance	IEC61156-5, ANSI/TIA-568-C.2, EN50173, ISO/IEC11801

Cable Construction

Material Specifications

Component	Material/Type
Conductor	Solid bare copper
Insulation	PE
Shield	AL / Mylar screen
Inner Jacket	LSZH
Armored	Galvanized steel wire braid
Outer Jacket	Nylon

Features

Key Benefits

- Pest, rodent, and termite resistant
- High tensile strength and abrasion resistance
- Excellent EMI resistance via AL/Mylar screen
- Signal transmission up to 250 MHz