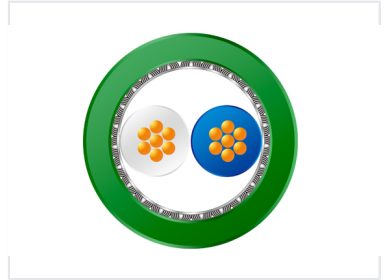


Single Pair Ethernet Communication Cable

The latest single-pair Ethernet design is used in a wide range of industrial automation applications, intelligent buildings and vehicle-mounted systems. It has the advantages of miniaturization and high-speed technology, and is the main competitor of future industrial communications.



Product Overview

High-Performance Single Pair Ethernet Cable

This Single Pair Ethernet (SPE) communication cable offers a minimalist, high-density solution for advanced data transmission requirements. Engineered for versatility, it supports 1Gbps speeds up to 40 meters and 10Mbps long-range connectivity up to 1000 meters. The integrated Power over Data Line (PoDL) feature enables efficient power delivery up to 50W, making it an ideal choice for streamlined, high-speed industrial and electronic applications.

Technical Performance

Transmission Capabilities

1 Gbps High Speed	40 m Max Distance at 1Gbps	10 Mbps Long Range Speed	1000 m Max Distance at 10Mbps
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Power over Data Line (PoDL) 50 W

Characteristic Impedance 100 Ω

Physical Construction

Conductor DC Resistance (at 20°C)

Gauge	Resistance
26AWG	d150m
22AWG	d550m
18AWG	d2100m

Design Features Stranded Copper, Aluminum Foil Shield, Tinned Copper Braid, Minimalist Diameter, EMI Resistant

Sheath Color Black