

STP 1000Base-T1 Ethernet Cable



Application

It's mainly used to achieve high-speed data transmission, meeting the development needs of automotive intelligence and connectivity. It can be applied in various aspects such as in-vehicle ECU communication, driving assistance systems, and infotainment systems

Technical Data

Reference standard: TC9, ISO19642

Temperature range: -40 to 105°C

Bending radius: 5 × O.D. (Static)

Construction	Material	Diameter (mm)
Conductor:	Bare Copper, Copper Alloy	0.16±0.008×7
Insulation:	Polypropylene	1.0±0.05
Inner Jacket:	Polypropylene	2.7±0.2
Shielded:	Al-PET	≥ 115%
Braiding:	Tinned Copper	0.10±0.008×16×8
Jacket:	PVC	4.0±0.2

Transmission Performance

Characteristic Impedance: 100+/-10Ω

Insertion Loss:

Frequency (MHz)	1	10	100	600
Limit (dB/m)	0.04	0.11	0.37	0.96

Return Loss:

Frequency (MHz)	1	10	100	600
Limit (dB)	22	22	19	14