



Name	Parameter
Cable Type	CAT6A SF/UTP
Environmental Information	RoHS 2.0, REACH Compliant
Structure	Conductor + Insulation layer + Cross-shaped spline + shielding layer + Braid + Jacket
Conductor Gauge	24AWG
Conductor Size	0.5mm *8
Conductor Material	OFC oxygen-free copper
Insulation Outer Diameter	1.15 ± 0.03mm
Insulation Material	PE
Insulation Color Code	1P: Blue & White/Blue; 2P: Orange & White/Orange; 3P: Green & White/Green; 4P: Brown & White/Brown
Core Wire Direction	s
Core Wire Lay Length	<30mm
Cable Direction	s
Cable Lay Length	≦120mm
Cable Technique	Cross-shaped spline and four pairs of core wires as a whole twisted counterclockwise
Braid Material	80*0.12mm aluminum-magnesium wire
Shielding Rate	100%
Jacket Material	PVC
Jacket Outer Diameter	7.7 ± 0.3mm
Cable Color	Dark gray
Transmission Rate	10Gbps
Conductor Resistance	≤15.0 Ω /100M at 20 °C
Insulation Resistance	>5000M Ω at 20 °C
Impedance	100 Ω ± 15 Ω
Dielectric Strength	1000V DC/1min;No Breakdown
Delay Skew	500MHz
Frequency	250Mhz
Testing	PASS FLUKE
Insulation Elongation	≥300%
Insulation Tensile	≥16 Mpa
Jacket Elongation	≥100%
Jacket Tensile	≥12.5 Mpa
Maximum Relative Mutual Coupling Capacitance	5.6 nF/100m
Maximum Capacitance Unbalance	330pF/100m
Allowable Bending Radius	15D (*D is cable outer diameter)
Operating Temperature	-30~80 °C
Operating Voltage	30V
Length	305M
Packing weight	14.6kg