



Name	Parameter
Cable Type	CAT6A S/FTP
Environmental Information	RoHS 2.0, REACH Compliant
Structure	Conductor + Insulation layer + Aluminum foil + Braid + Jacket
Conductor Gauge	23AWG
Conductor Size	$0.58 \pm 0.03\text{mm} \times 8$
Conductor Material	OFC oxygen-free copper
Insulation Outer Diameter	$1.35 \pm 0.05\text{mm}$
Insulation Material	FOMA PE
Insulation Color Code	1P: Blue & White/Blue; 2P: Orange & White/Orange; 3P: Green & White/Green; 4P: Brown & White/Brown
Braid Material	80*0.12mm aluminum-magnesium wire
Shielding Rate	60%
Jacket Material	PVC
Jacket Outer Diameter	$8 \pm 0.30 \text{ mm}$
Cable Color	Black
Transmission Rate	10Gbps
Conductor Resistance	$\leq 9.38 \ \Omega / 100\text{m}$
Insulation Resistance	$> 5000\text{M}\Omega$ at 20 °C
Dielectric Strength	1.5 KV AC for 2 s
Delay Skew	45.00 Max.ns/100m
Frequency	550MHz
Maximum Relative Mutual Coupling Capacitance	5.6 nF/100m
Maximum Capacitance Unbalance	330pF/100m
Allowable Bending Radius	$\geq 4$ times of overall diameter
Operating Temperature	-30~60 °C
Length	305M
Packing weight	19.5kg