

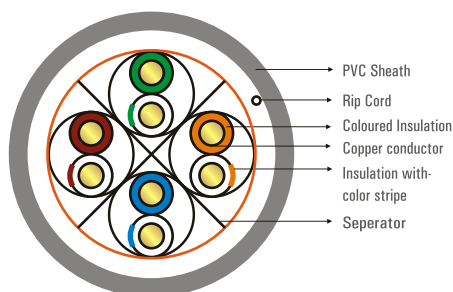
CAT6 CABLE

High Reliability Ethernet Cable



100m

305m



Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Support Giganbit Ethernet (1000 baseT) standard. Performance verified up to 600 Mhz Category 6 unshielded twisted pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-C.2 channel performance

The 4 Pair unshielded twisted pair cable shall be ETL verified

Construction:

Conductor	: 24 AWG Solid bare Copper (4pair)
Insulation	: High Density Polyethylene
Pairs	: 2 Insulated conductors Twisted together
Sheath	: LD-PVC(Grey) Insulation thickness 0.2mm nominal
Cable Diameter	: 6.1mm nominal
Cable wt per Box	: 13.6kgs nominal
Printing	: Each meter printed with sequential length Counter
RIP CORD	: YES

Electrical Properties: $\leq 9.38\Omega/100m$

Characteristic Impedance	: $100\pm 15\Omega$
Conductor Resistance	: 93.8 OHMS/1000mtr@ 20°C Max.
Insulation Resistance	: 100m Ω
Mutual Capacitance	: $< 5.6nF/100m$
Resistance Unbalance	: 5% Max
Capacitance Unbalance	: 330pF/100m
Delay Skew	: $<45nS$
NVP (%)	: 69%
Operating Voltage	: 72V
Dielectric Strength	: 1.0KV dc or 0.75KV ac for 1 min

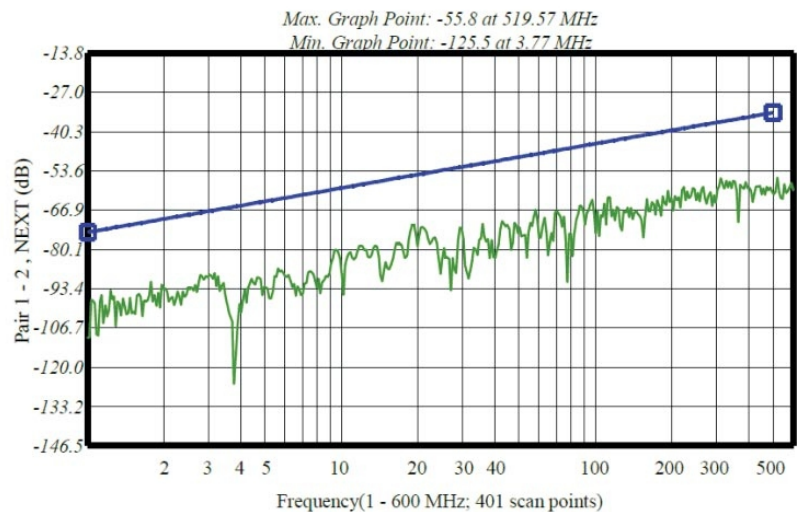
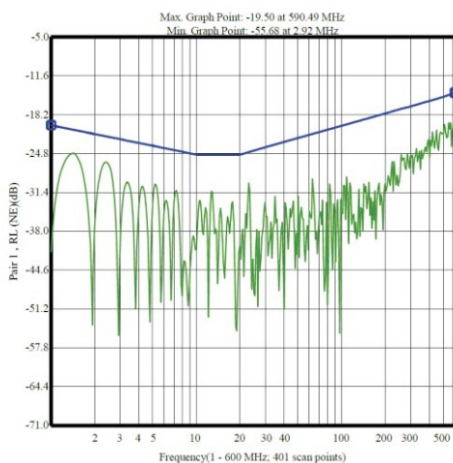
Color Code

1-2	: White-Orange Stripe and Orange
4-5	: White-Blue Stripe and Blue
3-6	: White-Green Stripe and Green
7-8	: White-Brown Stripe and Brown



Trasnmission Characteristics Per 100m

Frequency MHz	Insertion Loss (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	ACR (dB)	PSACR (dB)
1	2.0	20.0	74.3	72.3	67.8	64.8	72.3	70.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5	59.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5	53.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3	51.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6	46.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3	44.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0	30.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200	29.0	18.0	39.8	37.8	21.8	18.8	10.8	8.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5	3.5
500	45.3	15.2	33.8	31.8	13.8	10.8	4.5	2.8
600	51	14.5	31.2	29.9	11.8	8.6	3.5	2.1



Mechanical Properties:

Bending Radius : < 25.4mm at - 20°C ± 1°C
 Pulling Force : 11.5 Kg
 Operating Temperature Range : -20°C to +70°C
 Storage Temperature Range : 0°C to +50°C

Model No.

S-C6-100M - Indoor
S-C6-305M - Indoor
S-C6-305M-2LD - Outdoor

