

Y-C876AGY

Cat 6 UTP Cable

305M Length for Customized Cable Conjunction

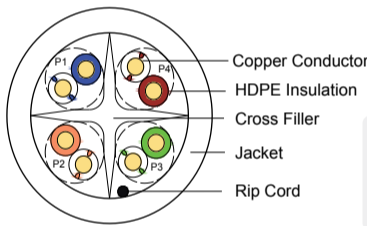
Products Features

- Cat6 standard allows sending up to 1 Gigabit data per second under the 250MHz bandwidth, provides a speedy and stable signal connection.
- UTP (Unshielded Twisted Pairs structure) refers to be surrounded by an outer jacket without a metallic shield. This helps the cable to be small in diameter.
- Performance is qualified under the Fluke Networks industrial standard.
- Applicable to computers, laptops, printers, modems, routers.

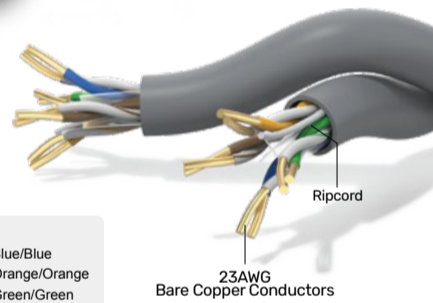


Mechanical Specifications

Outer Diameter	Ø 6.1+/-0.3 mm
Conductor Type	23AWG solid bare copper
Jacket Material	PVC
Standard Colour	Grey



Core:
 P1: White-Blue/Blue
 P2: White-Orange/Orange
 P3: White-Green/Green
 P4: White-Brown/Brown



Mechanical Characteristics

Cable under the minimum tension	≥400N
Conductor elongation	≥15%
Jacket before Aging	
Tensile Strength	≥13.5Mpa
Elongation	≥150%
Jacket After Aging	
Tensile Strength	≥12.5Mpa
Elongation	≥125%

Electrical Characteristics

Impedance	1-250MHz 100±15(Ω)
Rated Temperature	75°C
DC Resistance Unbalance(%)	Max 2.5
DC Resistance 20°C	≤93.8(Ω/Km)
Pair-to-Ground Capacitance Unbalance	330(pF/100M)
Insulation Resistance	>5000MΩ*Km
Dielectric strength	DC 2500V 2S

Nominal Transmission Characteristics

Frequency (MHz)	Min. RL (dB)	Nom. IL* (dB/100M)	Max. DOP (ns/100M)	Max. SKEW (ns/100M)	Min. ACR (dB/100M)	Min. PSACR (dB/100M)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR-F (dB/100M)	Min. PSACR-F (dB/100M)
1	20.0	2.0	570	45	72.3	70.3	74.3	72.3	67.8	64.8
4	23.0	3.8	552	45	61.5	59.5	65.3	63.3	55.8	52.8
8	24.5	5.3	547	45	55.5	53.5	60.8	58.8	49.7	46.7
10	25.0	6.0	545	45	53.3	51.3	59.3	57.3	47.8	44.8
16	25.0	7.6	543	45	48.6	46.6	56.2	54.2	43.7	40.7
20	25.0	8.5	542	45	46.3	44.3	54.8	52.8	41.8	38.8
25	24.3	9.5	541	45	43.8	41.8	53.3	51.3	39.8	36.8
31.25	23.6	10.7	540	45	41.2	39.2	51.9	49.9	37.9	34.9
62.5	21.5	15.4	539	45	32.0	30.0	47.4	45.4	31.9	28.9
100	20.1	19.8	538	45	24.5	22.5	44.3	42.3	27.8	24.8
200	18.0	29.0	537	45	10.8	8.8	39.8	37.8	21.8	18.8
250	17.3	32.8	536	45	5.5	3.5	38.3	36.3	19.8	16.8

Note: The above transmission performance for the 100M, 20 ± 2°C under the conditions tested
 * Allowable deviation of -10% to +10%