



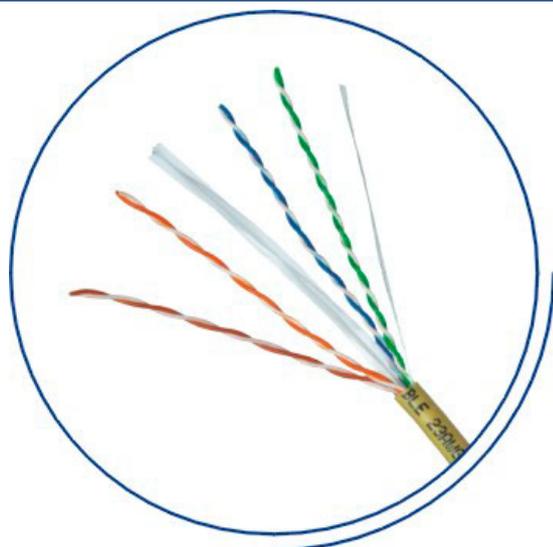
ZHUHAI SURELINK COMMUNICATION CABLE CO.,LTD.

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UTP CAT6 GCE-004 blue

CAT 6 UTP solid network cable 23AWG 4Pairs



Application

- Ethernet 10Base-T,100Base-T4,100Base-TX, 100Base-VG-ANYLAN, 155 Mbps ATM, 622Mbps ATM, 1000Base-T
- Telephone
- Multimedia
- Trunk wiring

Reference Standard

- ISO/IEC 11801,
- ANSI/TIA/EIA-568-B
- YD/T 1019-2002
- UL444,UL 1581

(Working Frequency)

- 1-550MHz

(Technical Parameters)

- ◎Characteristic Impedance:100±15 Ω (1-550MHz)
- ◎Nominal Velocity of Propagation(NVP):CMX, CM, CMR, LSZH 69%, CMP 72%
- ◎Maximum Mutual Capacitance:5.6nF/100m
- ◎Maximum Capacitance Unbalance:330pF/100m
- ◎Maximum Resistance Unbalance:3%
- ◎Maximum Propagation Delay Skew:30ns/100m
- ◎Maximum Propagation Delay:536ns/100m@100MHz
- ◎Minimum Bending radius: 10×Overall Diameter
- ◎Voltage Rating:80V rms
- ◎Maximum Pulling Load: 80N
- ◎Working Temperature:-5℃~+50℃
- ◎Storage Temperature:-20℃~+60℃

Cable Parameters:

Item No.	Construction	Nominal Conductor Dimension (MM)	Nominal Insulation Dimension (MM)	Pairs	Overall Diameter (mm)	Type of Jacket	Remark
	UTP	0.57	1.02	4	6.3	PVC	

Product Highlights:

- ◎Provide excellent bandwidth beyond 350MHz.
- ◎Meet the strict flame retardant and environmental requirements in Europe and US.
- ◎Different jacket materials available for choice.
- ◎Guaranteed ACR Value>0dB@200MHz.
- ◎Special propose cables can be offered according to customer request.
- ◎Different jacket color options available for choice.

Technical data

Inner Conductor	Number of Pairs	4
	Total Number of Conductors	8
	Conductor Material	CCAM 45% COPPER
	Wire Gage	23AWG=0.575
	Conductor Diam(ø)mm	Φ0.575±0.005mm
	Elongation	≥15%
Insulation	Insulation Material	NEW HDPE - Polyethylene
	Nom. Thickness	0.233mm
	Insulation Dia.	Φ1.02±0.01mm
	Elongation	≥300%
	Color Cord	Pair 1: White-Blue & Blue; Pair 2: White-Orange & Orange Pair 3: White-Green & Green; Pair 4: White-Brown & Brown
Paired	Length of Lay	<20mm
Spacer	Material	HDPE
	Diameter	4.5*0.45
Cabling	Order of the Pair	See the Cross Section
Out Sheath	Sheath Material	NEW PVC RoHS
	Color	BLUE
	Rip Cord	200D×3
	Nom.Thickness	0.60±0.05mm
	Min.Thickness	0.60mm
	Max.overall Dia.	Φ6.3±0.1mm

Transmission Properties:

FREQ (MHz)	NEXT (dB/100m) Minimum Value/Typical Value/Standard Value	IL (dB/100m) Minimum Value/Typical Value/Standard Value	RL (dB/100m) Minimum Value/Typical Value/Standard Value	ACR (dB/100m) Minimum Value/Typical Value/Standard Value	ELFEXT (dB/100m) Minimum Value/Typical Value/Standard Value	PSNEXT (dB/100m) Minimum Value/Typical Value/Standard Value	PSACR (dB/100m) Minimum Value/Typical Value/Standard Value	PSELFEXT(dB /100m) Minimum Value/Typical Value/Standard Value
1	77.3//87.0/74.3	2.0	20.2/21.5/20.2	75.2/85.0/72.2	68.8/80.0/67.8	75.3/85.0/72.3	73.2/83.0/70.2	65.8/70.0/64.8
4	68.3/77.0/65.3/	3.8	23.0/24.7/23.0	64.4/73.0/61.4	56.8/66.0/55.8	66.3/74.0/63.3	62.5/71.0/59.5	53.8/63.0/52.8
8	63.8/72.0/63.8	5.3	24.5/25.5/24.5	58.4/67.0/55.4	50.7/61.0/49.7	61.8/70.0/58.8	565/65.0/53.5	47.7/58.0/46.7
10	62.3/70.0/59.3	6.0	25.0/28.0/25.0	56.3/64.0/53.3	48.8/57.0/47.8	60.3/68.0/57.3	54.3/62.0/51.3	45.8/54.0/44.8
16	59.2/66.0/56.2	7.6	25.0/28.0/25.02	51.6/59.0/48.6	44.7/52.0/43.7	57.2/64.0/54.2	49.6/57.0/46.6	41.7/49.0/40.7
20	57.8/65.0/54.8	8.5	25.0/28.0/25.0	49.3/57.0/46.3	42.8/50.0/41.8	55.8/63.0/52.8	47.3/55.0/44.3	39.8/47.0/38.8
25	56.3/63.0/53.3	9.5	24.3/27.0/24.3	46.8/54.0/43.8	40.8/47.0/39.8	54.3/61.0/51.3	44.8/52.0/41.8	37.8/44.0/36.8
31.25	54.9/61.0/51.9	10.7	23.6/26.5/23.6	44.1/51.0/44.1	38.9/45.0/37.9	52.9/59.0/49.9	42.1/49.0/39.1	35.9/42.0/34.9
62.5	50.4/57.0/47.4	15.4	21.5/24.6/21.5	34.9/42.0/31.9	32.9/38.0/31.9	48.4/55.0/45.4	32.9/40.0/29.9	29.9/35.0/28.9
100	47.3/53.0/44.3	19.8	20.1/23.7/20.1	27.4/33.0/24.4	28.8/34.0/27.8	45.3/51.0/42.3	25.4/31.0/22.4	25.8/31.0/24.8
200	42.8/48.0/39.8	29.0	18.0/22.2/18.0	13.6/21.0/10.6	22.8/27.0/21.8	40.8//46.0/37.8	11.6/19.0/8.6	19.8/24.0/18.8
250	41.3/46.0/38.3	32.8	17.3/21.6/17.3	8.3/14.0/5.3	20.8/24.0/19.8	39.3/44.0/36.3	6.3/12.0/3.3	17.8/21.0/16.8
300	37.1/45.0/37.1	36.4	16.8/20.7/16.8	0.5/11.0/0.5	18.3/23.0/18.3	35.1/43.0/35.1	-1.5/9.0/-1.5	15.3/20.0/15.3
350	36.1/44.0/36.1	39.8	16.3/20.3/16.3	-3.8/6.6/-3.8	16.9/21.0/16.9	34.1/42.0/354.1	-5.8/4.6/-5.8	13.9/18.0/13.9