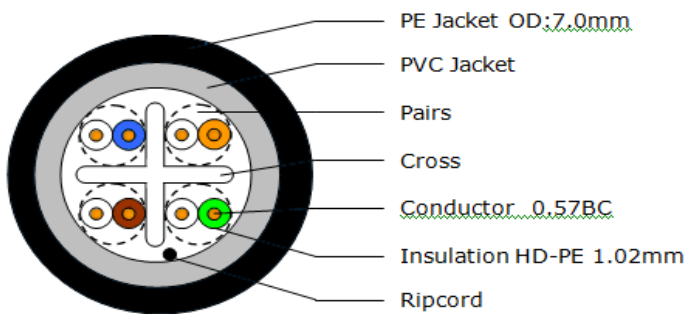


## CAT6 UTP Outdoor Cable

- ◆UTP PE/23AWG
- ◆Support 250MHz bandwidth
- ◆Support 1Gbps Ethernet
- ◆Applied to data centers, servers, switches, wiring racks and other equipment connections

### 1. Structure



	Size	23AWG
Conductor	Materials	Solid Bare copper
	Nom.OD	1/0.57±0.008mm
Insulation	Materials	HD-PE
	Nom. Thickness	Avg:0.24mm Min : 0.20mm
	Nom.OD	1.02±0.05mm
	Color	1.blue*white/blue , 2.orange*white/orange , 3.green*white/green, 4.brown*white/brown
Cross	Materials	PE
	Size	0.30*4.20mm
Jacket 1	Materials	PVC
	Nom. Thickness	Avg:0.7mm , Min:0.65mm
	Nom.OD	6.0±0.15mm
Jacket 2	Materials	PE
	Nom. Thickness	Avg:0.5mm , Min:0.45mm
	Nom.OD	7.0±0.15mm

### 2. Mechanical characteristic

- ◆Installation temperature : 0-50°C
- ◆Operating temperature: PE-40°C to 75°C
- ◆Min bending radius : 10xOD in Operation , 7xOD after operation
- ◆Compliance with RoHS 2.0 and REACH

### 3. Electrical Characteristics

- ◆Conductor DC resistance : 20°C ≤93.25Ω/km

- ◆DC Resistance Unbalance :  $\leq 5\%$
- ◆Characteristic impedance :  $100\Omega \pm 15\%$
- ◆Insulation Resistance :  $\geq 5000\text{M}\Omega \cdot \text{km}$  ( IEC 60189-1 )
- ◆Transmission performance: : Fluke channel test

Frequency	LOSS	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3
4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2
8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2
20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2
25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3

#### 4.Packaging method

- ◆Packaging length : 1000Ft
- ◆Packaging method : Wooden reel