

### Optowire Ethernet Cable

#### UTP CAT6 BC 23AWG PVC( Indoor) "0.51 ± 0.01 mm"

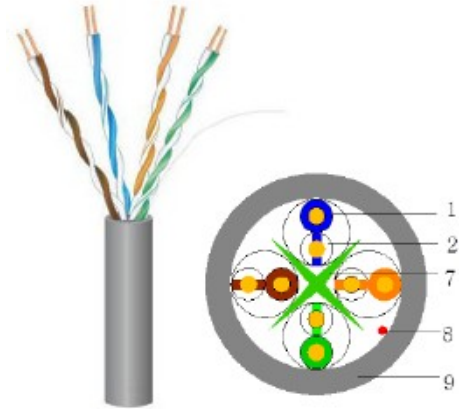
**Cable type** UTP CAT6 BC 23AWG PVC(Indoor) "0.51 ± 0.01 mm"

**Reference standard:** ANSI/TIA 568C & YD/T1019

**Application:** For network cabling systems, including 10/100/1000

Base-T, performance to meet the standard requirements

**Rated voltage:** 30V



### Construction:

<b>1. Conductor (mm)</b>	<b>Solid bare copper 23AWG</b>	
<b>2. Insulation (mm)</b>	<b>HDPE 0.93±0.08</b>	
<b>3. Color Code</b>	<b>White-Blue(Stripe)/Blue</b> <b>White-Orange(Stripe)/Orange</b> <b>White-Green(Stripe)/Green 0</b> <b>White-Brown(Stripe)/Brown</b>	
<b>4. Wrapping (mm)</b>	-----	
<b>5. Screen (mm)</b>	-----	
<b>6. Drain wire (mm)</b>	-----	
<b>7. Cross</b>	<b>Yes</b>	
<b>8. Rip cord</b>	<b>630D</b>	
<b>9. Jacket</b>	<b>Material</b>	<b>PVC</b>
	<b>Nom.thickness for cable</b>	<b>0.51 ± 0.01</b>
	<b>Color</b>	<b>Grey</b>
	<b>Nom.diameter</b>	<b>5.5 ± 0.3</b>
<b>Printing</b>	<b>According to customer</b>	

**Mechanical characteristics:**

Operating temperature °C	-25~75
Installation temperature °C	-10~75
Tensile strength.Max	90 N
Bending radius	8D
Flame resistant	IEC60332-1/IEC60332-3-24
Length of Delivery	305m/box

**Electrical characteristics:**

Conductor resistance .Max	9.5Ω/100m
Conductor resistance unbalance .Max	2.5%
Insulation resistance(DC 500V/1 min)	5000MΩ·km
Dielectric strength C-C, .DC.1min	1kV
Mutual capacitance .Max	5.6nF/100m
Propagation Delay Skew (1MHz~100MHz).Max	45ns/100m



Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)	Return Loss (dB)
1	2.0	74.3	72.3	67.8	64.8	570.0	20.0
4	3.8	65.3	63.3	55.8	52.8	552.0	23.0
8	5.6	60.8	58.8	49.7	46.7	546.7	24.5
10	6	59.3	57.3	47.8	44.8	545.4	25.0
16	7.6	56.2	54.2	43.7	40.7	543.0	25.0
20	8.5	54.8	52.8	41.8	38.8	542.0	25.0
25	9.5	53.3	51.3	39.8	36.8	541.2	24.3
31.25	10.7	51.9	49.9	37.9	34.9	540.4	23.6
62.5	15.4	47.4	45.4	31.9	28.9	538.6	21.5
100	19.8	44.3	42.3	27.8	24.8	537.6	20.1
200	32.4	39.8	37.8	21.8	18.8	536.5	18.0
250	41.0	38.3	36.3	19.8	16.8	536.3	17.3