

### Optowire Ethernet Cable

#### UTP CAT5E BC 24AWG PVC(indoor) "0.48 ± 0.01 mm"

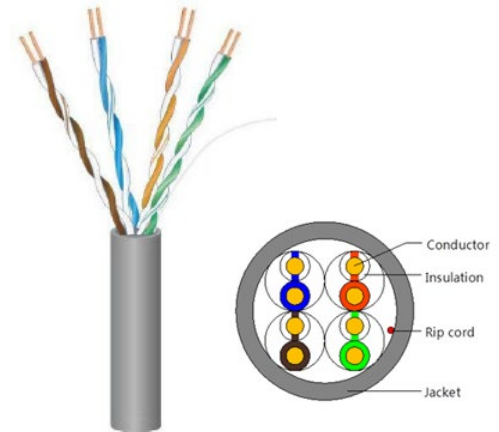
**Cable type - UTP CAT5E BC 24AWG PVC(indoor) "0.48 ± 0.01 mm"**

**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:

1. Conductor (mm)	Solid bare copper 24AWG	
2. Insulation (mm)	HDPE 0.9±0.08	
3. Color Code	White-Blue(Stripe)/Blue White-Orange(Stripe)/Orange White-Green(Stripe)/Green 0 White-Brown(Stripe)/Brown	
4. Wrapping (mm)	-----	
5. Screen (mm)	-----	
6. Drain wire (mm)	-----	
7. Braid	-----	
8. Rip cord	630D	
9. Jacket	Material	PVC
	Nom.thickness	0.48 ± 0.01
	Color	Grey
	Nom.diameter	5.0 ± 0.3
Printing	According to customer	

### Mechanical characteristics:

Operating temperature °C	-25~75
Installation temperature °C	-10~75
Tensile strength.Max	70 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	65.3	62.3	63.8	60.8	570.0	20.0
4	4.1	56.3	53.3	51.8	48.8	552.0	23.0
8	5.8	51.8	48.8	45.7	42.7	546.7	24.5
10	6.5	50.3	47.3	43.8	40.8	545.4	25.0
16	8.2	47.2	44.3	39.7	36.7	543.0	25.0
20	9.3	45.8	42.8	37.8	34.8	542.0	25.0
25	10.4	44.3	41.3	35.8	32.8	541.2	24.3
31.25	11.7	42.9	39.9	33.9	30.9	540.4	23.6
62.5	17.0	38.4	35.4	27.9	24.9	538.6	21.5
100	22.0	35.3	32.3	23.8	20.8	537.6	20.1
155	28.1	32.4	29.4	20.0	17.0	536.9	21.1
200	32.4	30.8	27.8	17.8	14.8	536.5	22.1
300	41.0	28.1	25.1	14.3	11.3	536.1	23.1
350	44.9	27.1	24.1	12.9	9.9	535.9	24.1

**Note:** the data above 100MHz is for reference