Optowire Ethernet Cable

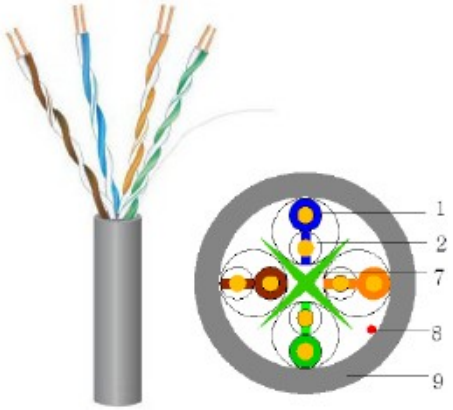
UTP CAT6 BC 24AWG LSZH "0.50 ± 0.01 mm"

Cable type: **UTP CAT6 BC 24AWG LSZH "0.50 ± 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 0.88±0.05	
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.Cross	Yes	
8. Rip cord	630D	
9. Jacket	Material	LSZH
	Nom.thickness for cable	0.50 ± 0.01
	Color	Grey
	Nom.diameter	5.0 ± 0.3
Printing	According to customer	

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Mechanical characteristics:

Operating temperature ℃	-25~75
Installation temperature ℃	-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

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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

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