



# AA-Kabel OPTIC-ELECTRIC

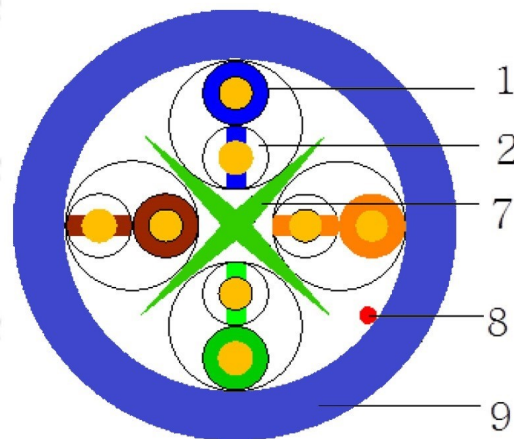
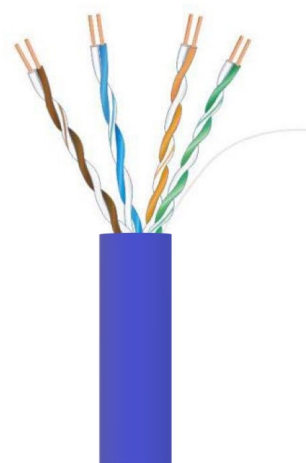
Cable type: CAT6 UTP 4P 23AWG PVC BLUE (RAL5012)

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	Solid bare copper 23AWG	
2.Insulation (mm)	PE 1.02±0.05	
3.Color Code	White-Blue(Stripe)/Blue White-Orange(Stripe)/Orange White-Green(Stripe)/Green White-Brown(Stripe)/Brown	
4.Wrapping (mm)	----	
5.Screen (mm)	----	
6.Drain wire (mm)	----	
7.Cross	Yes	
8.Rip cord	630D	
9.Jacket (mm)	Material	PVC
	Nom.thickness	0.5
	Color	Blue
	Nom.diameter	6.0±0.5



Mechanical characteristics	
Operating temperature	-20~75°C
Installation temperature	0~75°C
Tensile strength.Max	90N
Bending radius	8D
Flame resistant	IEC60332-1/IEC60332-3-24 UL CMX
Length of Delivery	305m/box
Net.weight	11.9kg
Gross.weight	12.7kg

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# AA-Kabel OPTIC-ELECTRIC

## Mechanical characteristics

Operating temperature	-20~75℃
Installation temperature	0~75℃
Tensile strength.Max	60N
Bending radius	8D
Flame resistant	IEC60332-1/IEC60332-3-24 UL CMX
Length of Delivery	305m/box
Net.weight	8.0kg
Cross.weight	8.8kg

## Electrical characteristics(20℃)

Conductor resistance .Max	9.5Ω/100m
Conductor resistance unbalance .Max	2.5%
Insulation resistance(DC 500V/1 min) .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)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (ns)	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

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