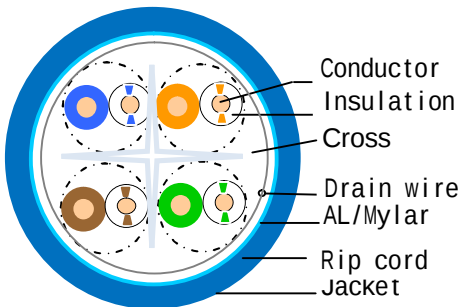


GE-003-2019

Cross Section		Color							
		Insulation	1、Blue&White/Blue						
			2、Orange&White/Orange						
			3、Green&White/Green						
			4、Brown&White/Brown						
		Jacket	White(RAL9003)						
Product Description		Electrical Characteristic							
Reference Standard	TIA/EIA-568C.2 ISO/IEC 11801	Max.DC Resistance at 20℃(Ω/km)					≤93.8		
Applications	Networking	Min. Insulation DC Resistance (MΩ.km)					≥5000		
Normal Velocity of Propagation	62%	Dielectric Strength Between Conductor DC (KV/1min)					1.0		
Bending Radius	8D	Conductor Resistance Max. Unbalance 20℃ %					≤5		
Operating Temperature Range ℃	- 20 ~ + 70	Max.Pair Mutual Capacitance at 1Mhz (nF/100m)					≤5.6		
		Max.Pair to Ground Capacitance Unblance (nF/100m)					≤330		
Configurations		Transmission characteristics							
Conductor Material	BC-Bare Copper	Frequare	IL	RL	NEXT	PSNEXT	ACRF	PSACRF	
AWG	24	MHZ	≤dB	≥dB	≥dB	≥dB	≥dB	≥dB	
Conductor Structure	Solid	1	1.9	19.1	65.0	62.0	64.2	61.2	
Conductor Diameter(±0.01mm)	0.510	4	3.5	21.0	63.0	60.5	52.1	49.1	
Insulation Material	HDPE	8	5.0	21.0	58.2	55.6	46.1	43.1	
Normal Thickness (±0.003mm)	0.260	10	5.5	21.0	56.6	54.0	44.2	41.2	
Insulation Diameter(±0.005mm)	1.030	16	7.0	20.0	53.2	50.6	40.1	37.1	
Paired Direction	Right Hand Lay	20	7.9	19.5	51.6	49.0	38.2	35.2	
Cross	PE	25	8.9	19.0	50.0	47.3	36.2	33.2	
Drain wire Material	Tin plated copper	31.25	10.0	18.5	48.4	45.7	34.3	31.3	
Diameter (±0.05mm)	0.40	62.5	14.4	16.0	43.4	40.6	28.3	25.3	
Rip cord	500D/1	100	18.6	14.0	39.9	37.1	24.2	21.2	
Jacket Material	LSZH	200	27.4	11.0	34.8	31.9	18.2	15.2	
Normal Thickness (±0.05mm)	0.60	250	31.1	10.0	33.1	30.2	16.2	13.2	
Diameter (±0.2mm)	6.40	Characteristic Impedance Form 1 to 100 /101-250 Mhz (Ohms)					100±15/100±22		
		Max. Delay Skew (ns/100m)					≤45		
		Test methods: From the outside end of the input signal							
Marking(Optional)		Mechanical and Physical Characteristics							
Marking Color :Blue F/UTP Outdoor Cat 6 4Pair 24AWG LSZH Verified to TIA/EIA568C.2 ISO/IEC11801 XXXX M		Test Material		Insulation		Jacket			
		Before Aging	Tensile Strength	≥16Mpa		≥10Mpa			
			Elongation	≥300%		≥100%			
		Aging Condition		100℃		24hours×7days			
		After Aging	Tensile Strength Variation		-				
			Elongation Variation		-				
Approval		Packing							
Sanctifier	Editor	Time	Standard Length of Cable: 305m/Reel				Package: Drum		
		Remark:							