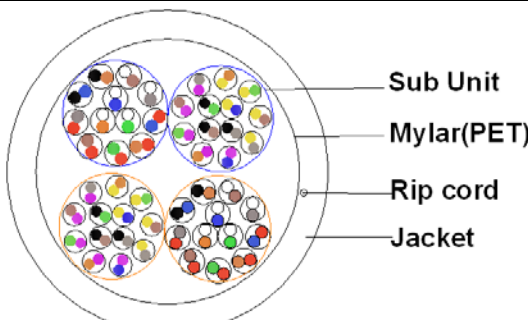


UTP CAT3 50P/AWG24 Cable Specification

Cross Section			Color						
			Insulation	Pair1 Blue-White	Pair9 Brown-Red	Pair17 Orange-Yellow	Requirement		
				Pair2 Orange-White	Pair10 Gray-Red	Pair18 Green-Yellow			
Pair3 Green-White	Pair11 Blue-Black	Pair19 Brown-Yellow							
Pair4 Brown-White	Pair12 Orange-Black	Pair20 Gray-Yellow							
Pair5 Gray-White	Pair13 Green-Black	Pair21 Blue-Violet							
Pair6 Blue-Red	Pair14 Brown-Black	Pair22 Orange-Violet							
Pair7 Orange-Red	Pair15 Gray-Black	Pair23 Green-Violet							
Pair8 Green-Red	Pair16 Blue-Yellow	Pair24 Brown-Violet							
			Jacket	GRAY(Optional)					
Product Description			Electrical Characteristic						
Reference Standard	TIA/EIA-568C		Max.DC Resistance at 20℃ (Ω /km)				95		
	ISO/IEC 11801		Min. Insulation DC Resistance (M Ω .km)				5000		
	UL444		Dielectric Strength(DC)				between conductor 1KV/1min		
Applications	Networking		Conductor resistance (20℃), maximum, unbalance percent				5.0%		
Rated Temp. Range (℃)	-20℃～60℃								
Configurations			Transmission characteristics						
Conductor Material	Bare copper		Frequare	IL	SRL	NEXT	DELAY	SKEW	Impedance
AWG	24AWG		MHZ	≤dB	≥dB	≥dB	≤ns/100m	≤ns/100m	Ohms
Conductor Structure	Solid		1	2.6	12.0	41.3	570	45	100±15
Conductor Diameter(mm)	0.50±0.01		4	5.6	12.0	32.2	552	45	100±15
Insulation Material	HDPE		8	8.5	12.0	27.7	547	45	100±15
Normal Thickness (mm)	0.195		10	9.7	12.0	26.3	545	45	100±15
Min. Thickness (mm)	0.18		16	13.1	9.96	23.2	543	45	100±15
Insulation Diameter(mm)	0.89±0.02								
sub-units	(12P+13P)×2								
Tape Material	Mylar								
Overlapping	25%								
Rip cord	1500D*2 Nylon yarn								
Jacket Material	PVC(RoHS)								
Normal Thickness (mm)	1.4								
Min. Thickness (mm)	1.2								
Jacket Diameter(mm)	16.8±1								
Marking(Optional)									
Approval									
Sanctifier	Editor		Time						
Remark:									