

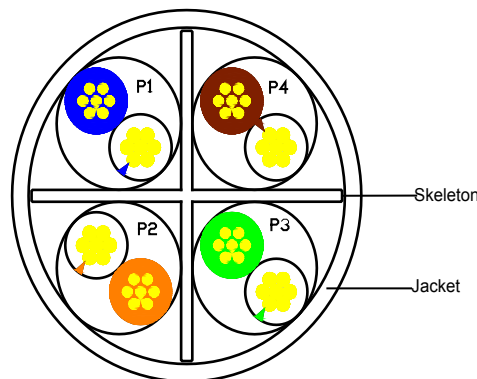
### Nominal Transmission characteristics

Freq	next	attn	RL*	acr	elfext	PS next	PS acr	PS elfext
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1.0	65.0	3.0	19.0	62.0	63.3	62.0	59.0	60.3
4.0	63.0	4.0	19.0	59.0	51.2	60.5	56.5	48.2
8.0	58.2	5.6	19.0	52.5	45.2	55.6	49.9	42.2
10.0	56.6	6.3	19.0	50.2	43.2	54.0	47.7	40.3
16.0	53.2	8.0	19.0	45.2	39.2	50.6	42.5	36.2
20.0	51.6	9.0	17.5	42.6	37.2	49.0	39.9	34.2
25.0	50.0	10.1	17.0	39.9	35.3	47.4	37.2	32.3
31.25	48.4	11.4	16.5	37.0	33.3	45.7	34.3	30.4
62.5	43.4	16.5	14.0	26.9	27.3	40.6	24.1	24.3
100.0	39.9	21.3	12.0	18.6	23.2	37.1	15.8	20.3
125.0	38.3	24.6	11.0	14.2	21.3	35.4	11.3	18.3
200.0	34.8	31.5	9.0	3.2	17.2	31.9	0.3	14.2
250.0	33.1	36.0	8.0	-2.8	15.3	30.2	-5.8	12.3

Note: The above transmission performance for the 100M, 20±2°C under the conditions tested


PRODUCT DATA SHEET			
Cat 6 Copper Cables for Indoor Applications			
Item NO.	UTP Stranded CAT.6 (24AWG×2)×4P		
Type	U/UTP CAT6 4*2*24AWG PVC		
Construction			
Conductors	Material	----	Stranded Bare Copper
	Conductors Size	mm	7/0.195+/-0.008
Insulation	Material	----	HDPE
	Diameter	mm	0.98+/-0.05
	Average Thickness	mm	0.195+/-0.05
Assembly	Direction	----	S
	No of Insulation	Pair	4
Jacket	Material	----	PVC(LSZH)
	Diameter	mm	6.3+/-0.2
	Average Thickness	mm	0.6+/-0.1
	Marking color	----	GRAY

### Construction:



core:  
P1: White-Blue/Blue  
P2: White-Orange/Orange  
P3: White-Green/Green  
P4: White-Brown/Brown

Physical characteristics
1. Tensile strength test are before aging 1.1 Insulation-----≥ 16MPa(Solid HDPE) 1.2 Jacket-----≥ 13.5MPa(PVC) 2. Elongation before aging 2.1 Insulation-----≥300%(Solid HDPE) 2.2 Jacket-----≥150%(PVC)
Electrical Characteristics
1.1.0-250.0MHz Impedance 100±15 Ohms) 2. Temperature rating:75℃ 3. Resistance unbalance (%) max 2.5 4. Max. Conductor DC Resistance 20℃ 95 (Ohms/Km) 5. Pair-to-Ground Capacitance Unbalance 330 (pF/100m)

APPROVED	CHECKED	DRAWN	CUSTOMER:	DESCRIPTION:	
			ITEM NO.	TP-48BH	
			DRAW NO.		
			UNIT	mm	
			SCALE	NONE	
				U/UTP CAT6 PATCH CABLE 305m (GRAY LSZH)	