

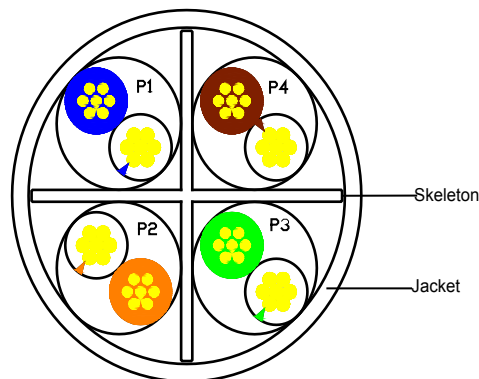
Nominal Transmission characteristics

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 °C 3. Resistance unbalance (%) max 2.5 4. Max. Conductor DC Resistance 20 °C 95 (Ohms/Km) 5. Pair-to-Ground Capacitance Unbalance 330 (pF/100m)

APPROVED	CHECKED	DRAWN	CUSTOMER:	DESCRIPTION: U/UTP CAT6 PATCH CABLE 100m (GRAY LSZH)		
			ITEM NO.			TP-48PH
			DRAW NO.			
			UNIT			mm
			SCALE			NONE