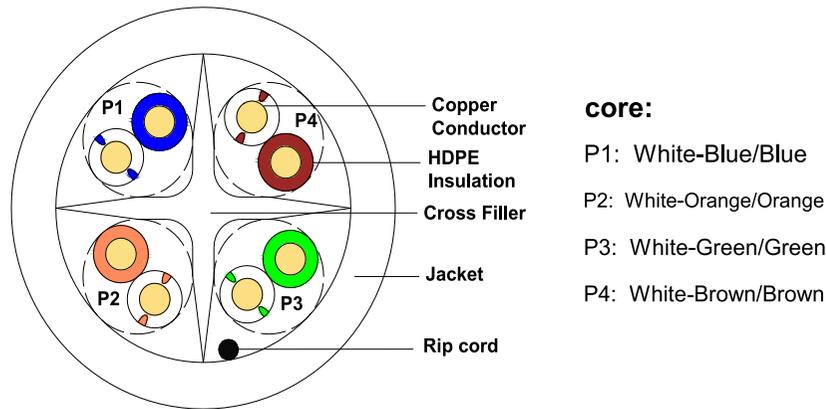


Nominal Transmission Characteristics										
Frequence	Min. RL	Nom. IL	Max. DOP	Max. SKEW	Min. ACR	Min. PSACR	Min. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB)	(dB/100M)	(ns/100M)	(ns/100M)	(dB/100M)	(dB/100M)	(dB)	(dB)	(dB/100M)	(dB/100M)
1	20.0	2.0	570	45	72.3	70.3	74.3	72.3	67.8	64.8
4	23.0	3.8	552	45	61.5	59.5	65.3	63.3	55.8	52.8
8	24.5	5.3	547	45	55.5	53.5	60.8	58.8	49.7	46.7
10	25.0	6.0	545	45	53.3	51.3	59.3	57.3	47.8	44.8
16	25.0	7.6	543	45	48.6	46.6	56.2	54.2	43.7	40.7
20	25.0	8.5	542	45	46.3	44.3	54.8	52.8	41.8	38.8
25	24.3	9.5	541	45	43.8	41.8	53.3	51.3	39.8	36.8
31.25	23.6	10.7	540	45	41.2	39.2	51.9	49.9	37.9	34.9
62.5	21.5	15.4	539	45	32.0	30.0	47.4	45.4	31.9	28.9
100	20.1	19.8	538	45	24.5	22.5	44.3	42.3	27.8	24.8
200	18.0	29.0	537	45	10.8	8.8	39.8	37.8	21.8	18.8
250	17.3	32.8	536	45	5.5	3.5	38.3	36.3	19.8	16.8

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

PRODUCT DATA SHEET			
Type		U/UTP CAT6 4*2*23AWG PVC	
Structure		Structure A	
Conductors	Structure AWG	AWG	23# (1/23)
	Material	—	Solid Bare Copper
	Diameter	mm	Ø 0.56+/-0.008
Insulation	Material	—	HDPE
	Diameter	mm	Ø 1.00+/-0.05
	Average Thickness	mm	0.22+/-0.05
Shielding1	Type	—	—
Assimby	Direction	—	S
	No. of Insulations	Pair	4
Shielding2	Material	—	—
Shielding3	Shield	—	—
Jacket	Material	—	PVC
	Diameter	mm	Ø 6.2+/-0.3
	Average Thickness	mm	0.55+/-0.1
	Flame Rate	—	CMR

Construction:



Mechanical Characteristics	
1. Cable under the minimum tension	≥400N
2. Conductor elongation	≥15%
3. Jacket before Aging	
Tensile Strength	≥17.5Mpa
Elongation	≥150%
4. Jacket After Aging	
Tensile Strength	≥85%×Tensile Strength before Aging
Elongation	≥50%×Elongation before Aging
Electrical Characteristics	
1. Impedance:	1-250MHz 100±15 (Ohms)
2. Rated Temperature:	75°C
3. DC Resistance Unbalance(%):	Max 2.5
4. DC Resistance 20°C:	≤93.8 (Ohms/Km)
5. Pair-to-Ground Capacitance Unbalance:	330(pF/100M)
6. Insulation Resistance:	>5000MΩ*Km
7. Dielectric strength:	DC 2500V 2S

APPROVED	CHECKED	DRAWN	CUSTOMER:	
			ITEM NO.	TP-48MR
			DRAW NO.	
			UNIT	mm
			SCALE	NONE

DESCRIPTION:	
U/UTP CAT6 INSTALLATION CABLE 305m CMR (WHITE)	

