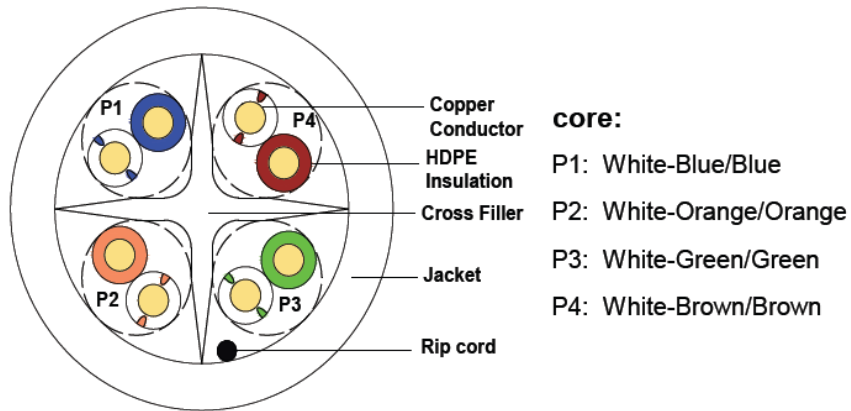


### Nominal Transmission Characteristics

Frequency (MHz)	RL (dB)	IL (dB/100M)	DOP (ns)	SKEW (ns)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSACR-F (dB)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47	45	31.8	28.8
100	20.1	19.8	537	45	44.3	42.3	27.8	24.8
200	18.0	29.0	536	45	39.7	37.7	21.7	18.7
250	17.3	32.8	535	45	38	36	19.8	16.8

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

Construction:



### PRODUCT DATA SHEET

Type		U/UTP CAT6 4*2*23AWG LSOH	
Structure		Structure A	
Conductors	Structure AWG	AWG	23# (1/23)
	Material	---	Solid Bare Copper
	Diameter	mm	Ø 0.574+/-0.008
Insulation	Material	---	HDPE
	Diameter	mm	Ø 1.03+/-0.05
	Average Thickness	mm	0.228+/-0.05
Shielding1	Type	---	---
Assembly	Direction	---	S
	No. of Insulations	Pair	4
Shielding2	Material	---	---
Shielding3	Shield	---	---
Jacket	Material	---	GRAY PVC(LSZH)
	Diameter	mm	Ø 6.6+/-0.2
	Average Thickness	mm	0.6+/-0.1
	Flame Rate	---	---

### Mechanical Characteristics

- Cable under the minimum tension ≥400N
- Conductor elongation ≥15%  
Tensile Strength ≥10Mpa  
Elongation ≥125%
- Jacket After Aging  
Tensile Strength ≥8Mpa  
Elongation ≥100%

### Electrical Characteristics

- Impedance: 1-125MHz 100±15 (Ohms)
- Rated Temperature: 75°C
- DC Resistance Unbalance(%): Max 2.5
- DC Resistance 20°C: 84(Ohms/Km)
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M)
- Insulation Resistance: >5000MΩ\*Km
- Dielectric strength: DC 2500V 2S

APPROVED	CHECKED	DRAWN	CUSTOMER:
			ITEM NO. TP-46H
			DRAW NO.
			UNIT mm
			SCALE NONE

DESCRIPTION:

U/UTP CAT6 INSTALLATION CABLE 100m  
(GRAY LSZH)

