

Nominal Transmission Characteristics

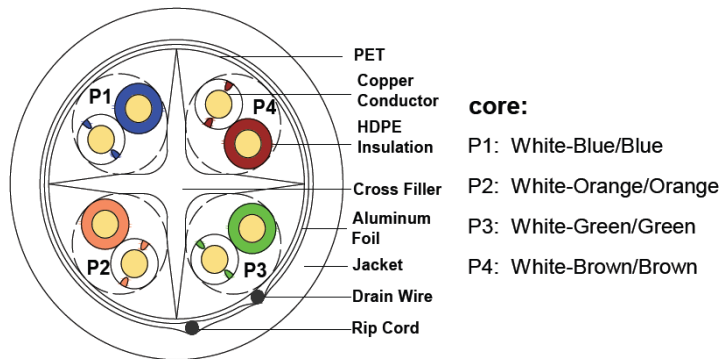
Frequence (MHz)	RL (dB)	IL (dB/100M)	DOP (ns)	SKEW (ns)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSACR-F (dB)
1	20	2.2	590	62	74.3	72.3	67.8	64.8
4	23	4.1	572	62	65.2	63.2	55.7	52.7
10	25	6.5	565	62	59.3	57.3	47.8	44.8
16	25	8.2	563	62	56.2	54.2	43.7	40.7
20	25	9.3	562	62	54.7	52.7	41.7	38.7
31.25	23.6	11.5	560	62	51.8	49.8	37.9	34.9
62.5	21.5	16.2	558	62	47.3	45.3	31.8	28.8
100	20.1	20.4	557	62	44.3	42.3	27.8	24.8
200	18	29.2	556	62	39.7	37.7	21.7	18.7
250	17.3	33.8	555	62	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	F/UTP CAT6 4*2*23AWG PVC		
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 1.12+/-0.05
	Average Thickness	mm	0.273+/-0.05
Shielding1	Type	----	----
Assembly	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	Al-Foil Screened
Shielding3	Shield	----	----
Jacket	Material	----	GRAY PVC(LSZH)
	Diameter	mm	Ø 7.8+/-0.2
	Average Thickness	mm	0.6+/-0.1
	Flame Rate	----	CMX/CM/CMR

Construction:



Mechanical Characteristics

- Cable under the minimum tension ≥400N
- Conductor elongation ≥15%
Tensile Strength ≥13.5Mpa
Elongation ≥125%
- Jacket After Aging
Tensile Strength ≥12.5Mpa
Elongation ≥125%

Electrical Characteristics

- Impedance: 1-250MHz 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-48H
			DRAW NO.	
			UNIT	mm
			SCALE	NONE

DESCRIPTION:

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

