Nominal Transmission Characteristics

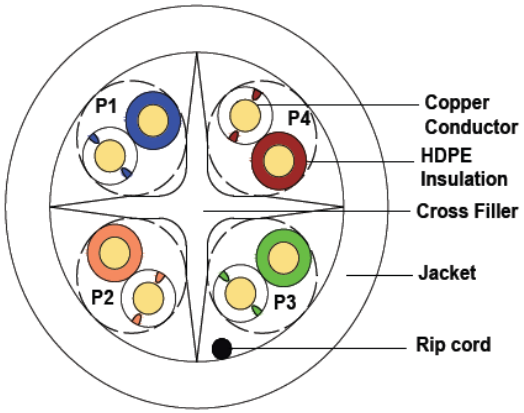
Frequence	RL	IL	DOP	SKEW	NEXT	PSNEXT	ACR-F	PSACR-F
(MHz)	(dB)	(dB/100M)	(ns)	(ns)	(dB)	(dB)	(dB)	(dB)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	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 ℃ under the conditions tested

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	----	----
Assimbly	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	WHITE PVC(LSZH)
	Diameter	mm	Ø 6.6+/-0.2
	Average Thickness	mm	0.6+/-0.1
	Flame Rate	----	----

Construction:



core:

P1: White-Blue/Blue

P2: White-Orange/Orange

P3: White-Green/Green

P4: White-Brown/Brown

Mechanical Characteristics

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

Electrical Characteristics

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

APPROVED	CHECKED	DRAWN	CUSTOMER:	
			ITEM NO.	TP-45H
			DRAW NO.	
			UNIT	mm
			SCALE	NONE

DESCRIPTION:

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

DELTACO