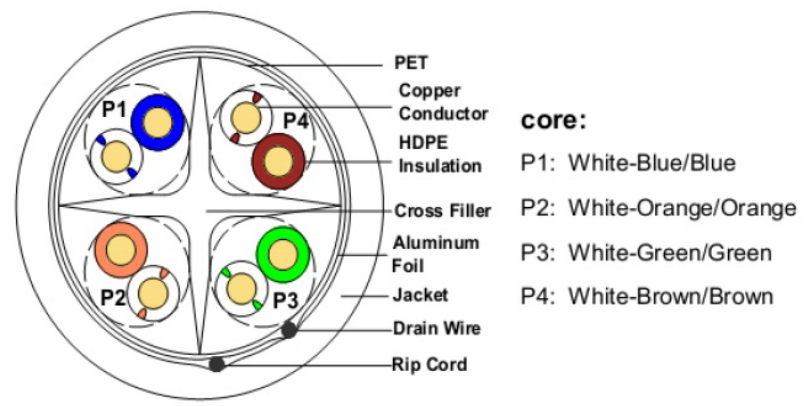


Nominal Transmission Characteristics								
Frequency	Min. RL	Nom. IL	Max. DOP	Max. SKEW	Min. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB)	(dB/100M)	(ns/100M)	(ns/100M)	(dB)	(dB)	(dB/100M)	(dB/100M)
1	20.0	2.0	570	45	74.3	72.3	67.8	64.8
4	23.0	3.8	552	45	65.3	63.3	55.8	52.8
8	24.5	5.3	547	45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


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

Construction:



PRODUCT DATA SHEET			
Type	F/UTP CAT6 4*2*23AWG LSZH		
Structure	Structure A		
Conductor	Structure	AWG	23AWG
	Material	---	Solid Bare Copper
	Diameter	mm	Φ 0.56+/-0.008
Insulation	Material	---	HDPE
	Diameter	mm	Φ 1.06+/-0.05
	Average Thickness	mm	0.25+/-0.05
Shielding1	Type	---	---
Assembly	Direction	---	S
	No. of Insulations	Pair	4
Shielding2	Material	---	Al-Foil Screened
Drain wire	Shield	---	Φ 0.40±0.05mm TC
Jacket	Material	---	LSZH
	Diameter	mm	Φ 7.4+/-0.2
	Average Thickness	mm	0.6+/-0.05

Mechanical Characteristics	
1、 Cable under the minimum tension	≥400N
2、 Conductor elongation	≥15%
3、 Jacket before Aging	
Tensile Strength	≥13.5Mpa
Elongation	≥150%
4、 Jacket After Aging	
Tensile Strength	≥12.5Mpa
Elongation	≥125%
Electrical Characteristics	
1.Impedance:	1-100MHz 100±15 (Ohms)
2.Rated Temperature:	75°C
3.DC Resistance Unbalance(%):	Max 2.5
4.DC Resistance 20°C:	105 (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:	DESCRIPTION: F/UTP CAT6 INSTALLATION CABLE 305m (GRAY LSZH)		
			ITEM NO.			TP-48CH
			DRAW NO.			
			UNIT			mm
			SCALE			NONE