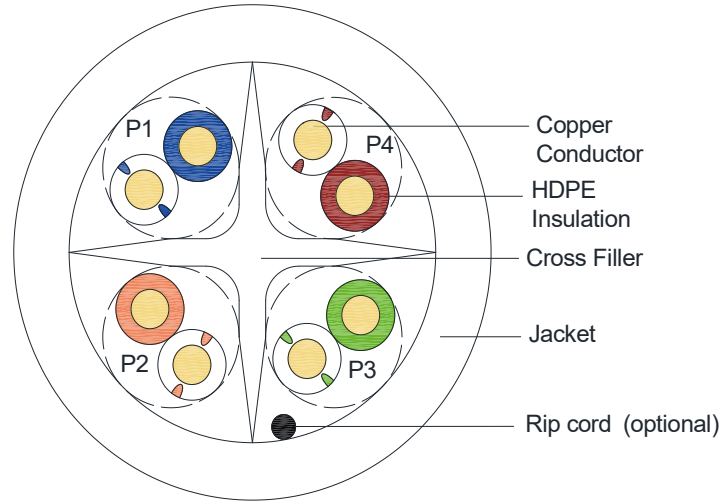


Construction:



Itemnr.	Cable lenght
17415	100 m
17400	305 m
42227	50 m
17382	500 m

core:

P1: White-Blue/Blue

P2: White-Orange/Orange

P3: White-Green/Green

P4: White-Brown/Brown

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 0.55+/-0.01
Insulation	Material	----	HDPE
	Diameter	mm	Ø 0.97+/-0.05
	Average Thickness	mm	0.21+/-0.05
Shielding1	Type	----	----
Cabling	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	PVC
	Diameter	mm	Ø 6.2+/-0.3
	Average Thickness	mm	0.6+/-0.1
	Flame Rate	----	----

PART NO.	Cable Length
DRAWER	FANG
CHECKED	Frank
APPROVED	

Item Number	N155-01P-0.55CU-GRYxxx	
Description	UTP Cat6 LAN Cable, 23AWG(0.55mm-Cu), Solid 2x4p, Grey PVC Jacket, Rohs	
Material	SCALE	
	A	UNIT
		mm
Drawing NO:		
Remake	RoHS	



Mechanical Characteristics	
1、 Maximum Pulling Force	≤100N
2、 Conductor elongation	≥15%
3、 Jacket before Aging	
Tensile Strength	≥13.8Mpa
Elongation	≥100%
4、 Jacket After Aging(100℃、 24×10h)	
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℃
3.DC Resistance Unbalance(%):	Max 2.5
4.DC Resistance 20℃:	≤93.8 (Ohms/Km)
5.Pair-to-Ground Capacitance Unbalance:	≤330(pF/100M)
6、 Insulation Resistance:	>5000MΩ.Km
7、 Dielectric strength:	DC 2500V 2S

Nominal Transmission Characteristics										
Frequency	Min.	Max.	Max.	Max.	Min.	Min.	Min.	Min.	Min.	Min.
	RL	IL	PD	SKEW	ACR	PSACR	NEXT	PSNEXT	ACR-F	PSACR-F
(MHz)	(dB/100M)	(dB/100M)	(ns/100M)	(ns/100M)	(dB/100M)	(dB/100M)	(dB/100M)	(dB/100M)	(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										