

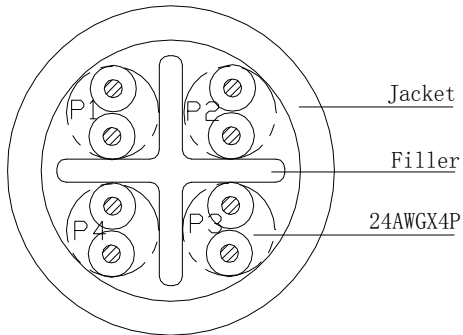
SPECIFICATION

1.Scope:
The specification established a description for a HDPE insulation and LSZH jacket cable.

2.Design and Construction Data

Item		Description
Conductor	No. of pair	4
	Material	Bare copper wire
	Construction	7/0.20±0.008
Insulation	Material	HDPE
	Nom. Thickness	0.18
	Nom. O.D.:	0.97±0.05
	Color	Per cross-section
Filler	Material	Yes
	Size	-
Jacket	Material	LSZH
	Nom. Thickness	0.58
	Nom. O.D.:	6.00±0.20
	Color	Blue(RAL5017)
Marking	As your request	
	Color	Black

3.Cross-section



P1:Blue-White/Blue
P2:Orange-White/Orange
P3:Green-White/Green
P4:Brown-White/Brown

4.Physical and Electrical Performance

Item		Requirement
Spark test for insulation (DC)	kv	2.50
Conductor resistance max. at 20°C	ohm/km	87.60
Characteristic impedance	ohm	100±15
Propagation delay skew	ns/100m	45

5. Data transmission performance

Frequency	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT	Delay
1	20.0	74.3	72.3	67.8	64.8	570
4	23.0	65.3	63.3	55.8	52.8	552
8	24.5	60.8	58.8	49.7	46.7	547
10	25.0	59.3	57.3	47.8	44.8	545
16	25.0	56.2	54.2	43.7	40.7	543
20	25.0	54.8	52.8	41.8	38.8	542
25	24.2	53.3	51.3	39.8	36.8	541
31.25	23.3	51.9	49.9	37.9	34.9	540
62.5	20.7	47.4	45.4	31.9	28.9	539
100	19.0	44.3	42.3	27.8	24.8	538
200	16.4	39.8	37.8	21.8	18.8	537
250	15.6	38.3	36.3	19.8	16.8	536
300	14.9	37.1	35.1	18.3	15.3	536
400	13.8	35.3	33.3	15.8	12.8	536
500	13.0	33.8	31.8	13.8	10.8	536

6.Remark:

The unit of the dimension is mm unless specified in the specification.

The cross section do not represent the actual size for your information.

Cobtel Precision Electronics Co., Ltd.		Customer: C151	
Spec. No.	Q-2019080059	P/N:	N4801120002
Issue Date	2019/8/27	Title	UTP Cat 6A Patch Cable
Version	00	Construction	24AWGX4P
Edited		Checked	
Approved		Approved	