

SPECIFICATION

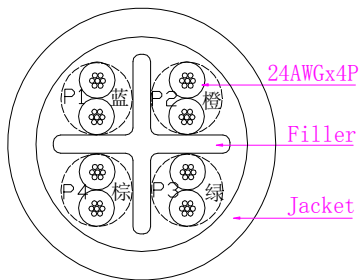
1.Scope:

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	0.17
	Nom. O.D.:	0.97±0.05
	Color	Per cross-section
Filler	Material	Yes
	Size	-
Jacket	Material	LSZH
	Nom. Thickness	0.50
	Nom. O.D.:	6.00±0.20
	Color	As your request
Marking	CAT6 24AWG 4PR UTP EIA/TIA-568-C.2 LSZH PATCH CABLE	
	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℃	ohm/km	87.60
Characteristic impedance	ohm	100(Nom)
Propagation delay skew	ns/100m	45

5. Data transmission performance

Frequency	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT	Delay
1	20	74.3	72.3	67.8	64.8	570
4	23	65.3	63.3	55.8	52.8	552
8	24.5	60.8	58.8	49.7	46.7	547
10	25	59.3	57.3	47.8	44.8	545
16	25	56.2	54.2	43.7	40.7	543
20	25	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	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

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-2020010015	P/N:	
Issue Date	2020/1/14	Title	UTP Cat 6 Patch Cable
Version	00	Construction	24AWGX4P
Edited		Checked	
Approved		Approved	