KUWES WIRE & CABLE

DATA SHEET & TEST REPORT

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Specification for KUWES Cat.6 UTP 600MHZ Solid Waterproof jelly- filled Lan Cable

Item No. KS-UTPC6-JELLY Date: Mar. 28, 2019

UL 444 & CSA-C22.2 Type CM, 23AWG x 4 Pairs

ANSI/TIA-568-C.2 : Horizontal Cable (Solid Conductor)

1.Conductor: Solid Bare copper **x** 23AWG

2.Insulation : HDPE

Min. Avg. Thickness: 0.178 mm;

Min. Thickness: 0.153 mm

3.Color Code:

Pair 1: Blue & White/Blue;

Pair 2: Orange & White/Orange

Pair 3: Green & White/Green;

Pair 4: Brown & White/Brown

with flooding jelly compound

4.Jacket: PE (Temp. Rating: -40℃ to 75℃)

Min. Avg. Thickness: 0.625 mm;

Min. Thickness: 0.605 mm

Approximate O.D.: 6.3 mm +/- 0.3mm

5.Electric Requirements: (Cable length: 100M)

Characteristic Impedance(Zo): 85～115Ω (1～500 MHZ)

DC. Resistance Capacitance Unbalance: 5%

Pair-to-Ground Capacitance Unbalance: 330 pF/100M Max

Conductor Resistance:7.32Ω/ 100M 20°C Max

Mutual Capacitance: 5600 pF/100m Max

Spark Test: 2.5KV

Nominal Velocity of Propagation (NVP): 69%

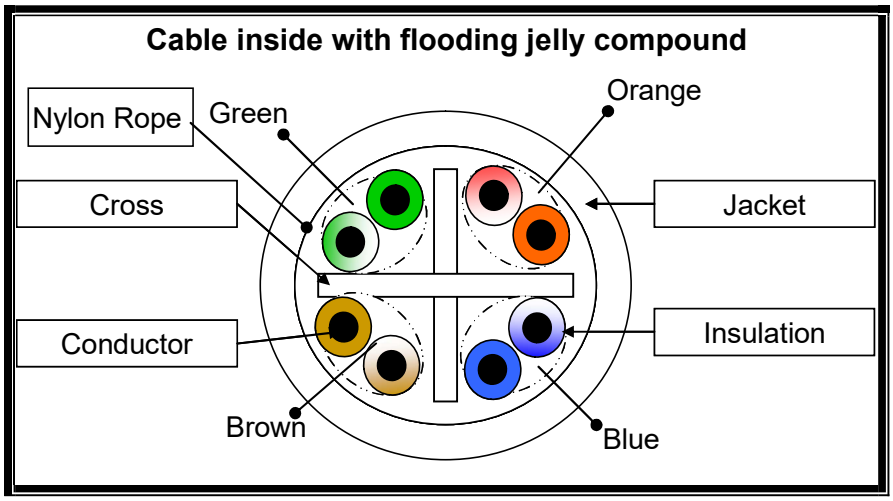
ROHS Compliant

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Frequency	Att.	Pr-Pr	PS	Prop.	Delay	Return	Pr-Pr	PS
MHz	Solid	NEXT	NEXT	Delay ns	Skew ns	Loss	ELFEXT	ELFEXT
*1	2.1	74.3	72.3	570	45	20.0	67.8	64.8
10	6.0	59.3	57.3	545	45	25.0	47.8	44.8
20	8.5	54.8	52.8	542	45	25.0	41.8	38.8
31.25	10.7	51.9	49.9	540.4	45	23.6	37.9	34.9
62.5	15.4	47.4	45.4	538.6	45	21.5	31.9	28.9
100	19.8	44.3	42.3	537.6	45	20.1	27.8	24.8
200	29.0	39.8	37.8	536.5	45	18.0	21.8	18.8
250	33.1	38.3	36.3	536.3	45	17.3	19.8	16.8
300	36.4	35.9	34.1	534.3	45	16.2	18.2	15.2
400	43.0	34.4	33.8	534.0	45	15.1	15.7	12.7
550	51.8	34.1	33.2	533.6	45	13.2	12.9	9.9
600	55.3	32.2	31.3	533.6	45	12.3	12.4	8.6

ROHS Compliant