

KUWES WIRE & CABLE

DATA SHEET & TEST REPORT

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Specification for KUWES Cat.6 enhanced UTP OUTDOOR Solid Lan Cable
Item No. KS-UTP-C6E-OUTDOOR Date: July 08, 2017

UL 444 & CSA-C22.2 Type CM, 24AWG x 4 Pairs
ANSI/TIA-568-C.2 : Horizontal Cable (Solid Conductor)

1.Conductor: Solid Bare copper x 24AWG (Turbo6e Type)

2.Insulation : HDPE

Min. Avg. Thickness: 0.23 mm;

Turbo 6e

3.Color Code:

Pair 1: Blue & White/Blue;
Pair 2: Orange & White/Orange
Pair 3: Green & White/Green;
Pair 4: Brown & White/Brown

4.Jacket: LDPE

Min. Avg. Thickness: 0.6 mm;
Min. Thickness: 0.50 mm
Approximate O.D.: 5.7 mm +/- 0.3mm



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

Characteristic Impedance(Z_0): 85~115 Ω (1~500 MHZ)
DC. Resistance Capacitance Unbalance: 5%
Pair-to-Ground Capacitance Unbalance: 330 pF/100M Max
Conductor Resistance:7.32 Ω / 100M 20°C Max
Mutual Capacitance: 5600 pF/100m Max
Spark Test: 2.5KV
Nominal Velocity of Propagation (NVP): 69%

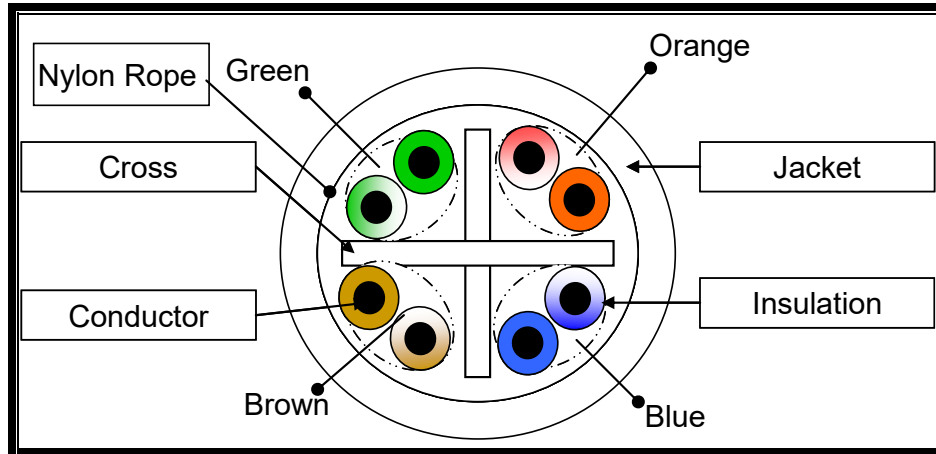
ROHS Compliant

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Frequency	Att.	Pr-Pr	PS	Prop.	Delay	Return Loss	Pr-Pr	PS
MHz	Solid	NEXT	NEXT	Delay ns	Skew ns		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