

KUWES WIRE & CABLE

DATA SHEET & TEST REPORT

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Specification for KUWES Cat.6 enhanced UTP 600MHZ Solid Lan Cable OUTDOOR PE Jacket Item No. KS-UTP-C6E -OUTDOOR Version: A6 Date: MAY 06 2021

UL 444 & CSA-C22.2 Type CMX, 24AWG x 4 Pairs

ANSI/TIA-568.2-D and ISO/IEC 11801-1: Horizontal Cable (Solid Conductor)

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

2.Insulation : HDPE

Min. Avg. Thickness: 0.23 mm;

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%

Turbo 6e



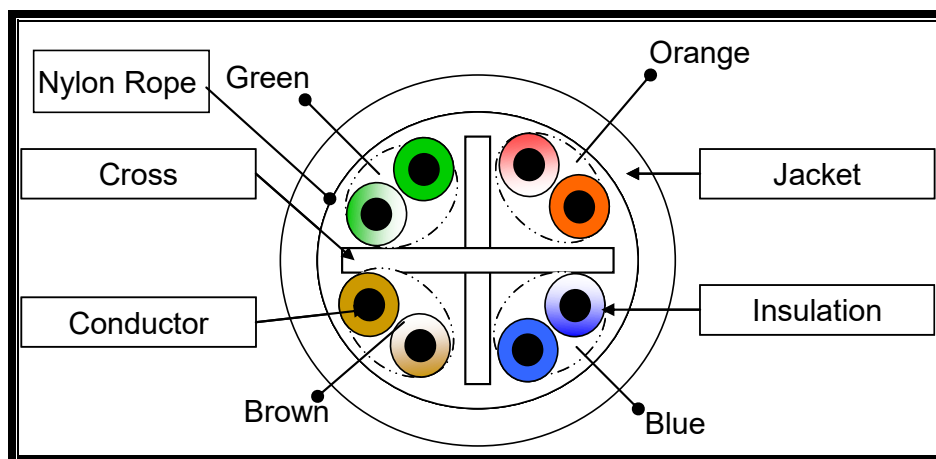
ROHS Compliant

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Turbo Cat.6 enhanced UTP 600MHZ Solid Lan Cable



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	20.11	27.8	24.8
200	29.0	39.8	37.8	536.5	45	18.0	21.8	18.8
250	32.85	38.33	36.33	536.3	45	17.32	19.84	16.84
300	36.4	35.9	34.1	534.3	45	16.2	18.2	15.2
400	42.97	35.27	33.27	534.0	45	15.89	15.76	12.76
550	51.8	34.1	33.2	533.6	45	13.2	12.9	9.9
600	54.49	32.63	30.63	533.6	45	12.3	12.4	9.24

ROHS Compliant