

KUWES WIRE & CABLE

DATA SHEET & TEST REPORT

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Specification for Category 7 (Class F) S/STP(S/FTP) Solid Lan Cable

Date: May 21, 2017

ISO/IEC 11801: Horizontal Cable (Solid Conductor)

23AWG x 4P

1.Conductor: Solid Bare Copper (1 x AWG23)

2.Insulation : HDPE

Min. Avg. Thickness: 0.5 mm;

Min. Thickness: 0.40 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.Shield: Aluminum-mylar tape and Drain wire(tinned copper conductor)
coverage 70 % tinned copper braid

5.Jacket: 75°C PVC Compound

Min. Avg. Thickness: 0.585 mm;

Min. Thickness: 0.458 mm

Approximate O.D.: 8.0 mm +/- 0.3mm

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

Characteristic Impedance(Z_0): 85 ~ 115 Ω (1 ~ 600 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: 5.6 nF/m Max

Spark Test: 2.5KV

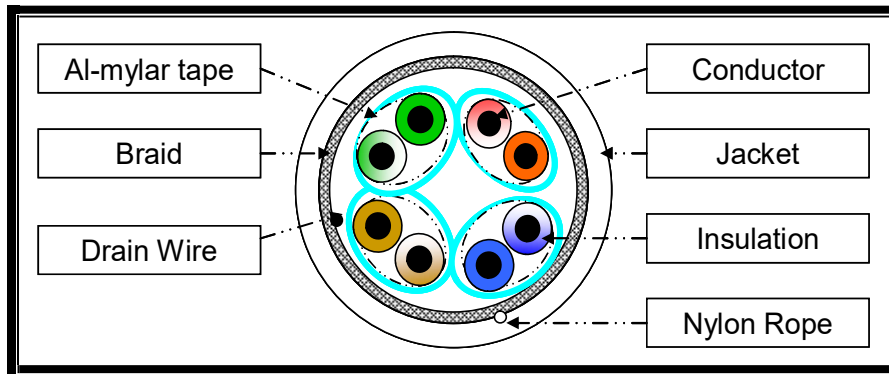
Nominal Velocity of Propagation (NVP): 76 %

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	3.5	74.3	72.3	570	45	20.0	67.8	64.8
10	7.5	59.3	57.3	545	45	25.0	47.8	44.8
20	9.0	54.8	52.8	542	45	25.0	41.8	38.8
31.25	11.5	51.9	49.9	540.4	45	23.6	37.9	34.9
62.5	16.4	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	9.90

600	54.1	32.4	21.0	531.1	45	12.1	11.8	8.30
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ROHS Compliant