



Hyper-Data 2000 Cat6 UTP Stranded LAN Cable

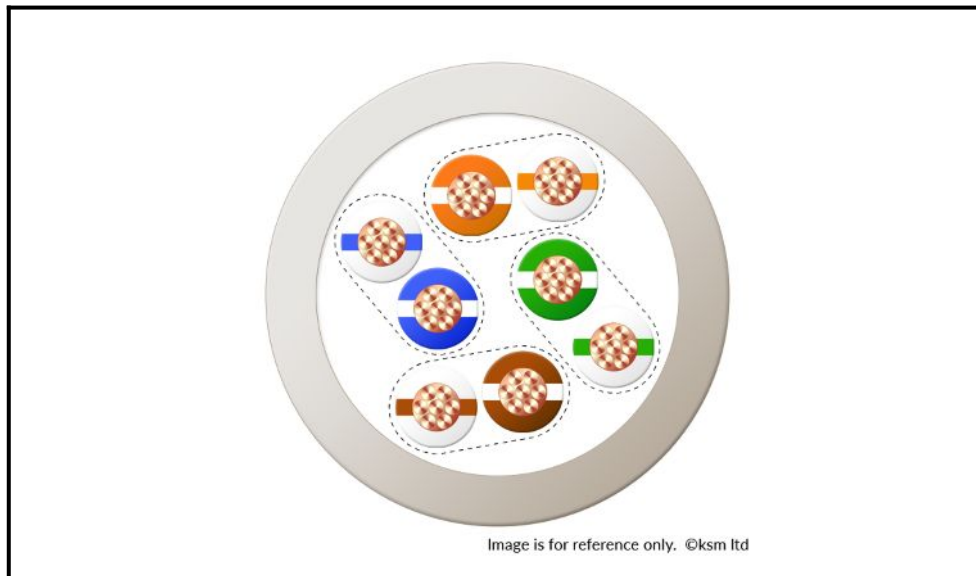
1. **Conductor:** Stranded Bare Copper 24AWG (7/32 AWG)
2. **Insulation:** HDPE (CMI-75E)
Nominal Wall Thickness: 0.178mm
Minimum Thickness: 0.153mm
3. **Color Code:** Pair 1: Blue & White/Blue
Pair 2: Orange & White/Orange
Pair 3: Green & White/Green
Pair 4: Brown & White/Brown
4. **Jacket:** LSZH: +75°C Compound (2095H)
Nominal Wall Thickness: 0.585mm
Minimum Thickness: 0.458mm
Overall Diameter: 5.8mm $\pm$ 0.3mm
5. **Electrical Requirements:** Cable length 100m
Characteristic Impedance(Z_0): 85 ~ 115 Ω (1 ~ 250 MHz)
DC. Resistance Capacitance Unbalance: 5%
Pair-to-Ground Capacitance Unbalance: 330 pF/100m Maximum
Conductor Resistance: 8.76 Ω /100m 20°C Maximum
Mutual Capacitance: 5.6nF/100m Maximum
Spark Test: 2.5kV
Nominal Velocity of Propagation (NVP): 69%



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Freq. MHz	Att. Stranded	Pr-Pr NEXT	PS NEXT	Prop. Delay ns	Delay Skew ns	Return Loss	Pr-Pr ELFEXT	PS ELFEXT
1	2.4	74.3	72.3	538.5	45	20.0	67.8	64.8
10	7.1	59.3	57.3	545.0	45	25.0	47.8	44.8
20	10.2	54.8	52.8	539.9	45	25.0	41.8	38.8
31.25	12.8	51.9	49.9	540.2	45	23.3	37.9	34.9
62.5	18.5	47.4	45.4	540.8	45	20.7	31.9	28.9
100	23.8	44.3	42.3	541.4	45	19.0	27.8	24.8
200	34.8	39.8	37.8	542.5	45	16.4	21.8	18.8
250	39.4	38.3	36.3	543.0	45	15.6	19.8	16.8

Compliance

ANSI/TIA-568.2-D
ISO/IEC 11801
RoHS II Directive (2011/65/EU & 2015/863)
REACH (1907/2006)
IEC 60332-1-2:2004 + A11:2016
CPR (3052011) Euro Class Eca
UL Listing: E151955



UL 444
IEC 61034-2

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