



CABLE MASTER Electric Wire & Cable Co. Ltd.

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Specification for Hyper-Data 1000 CAT5e FTP Stranded LSZH Lan Cable

Spec. No. S880712 Version: B Date: March 25th, 2008

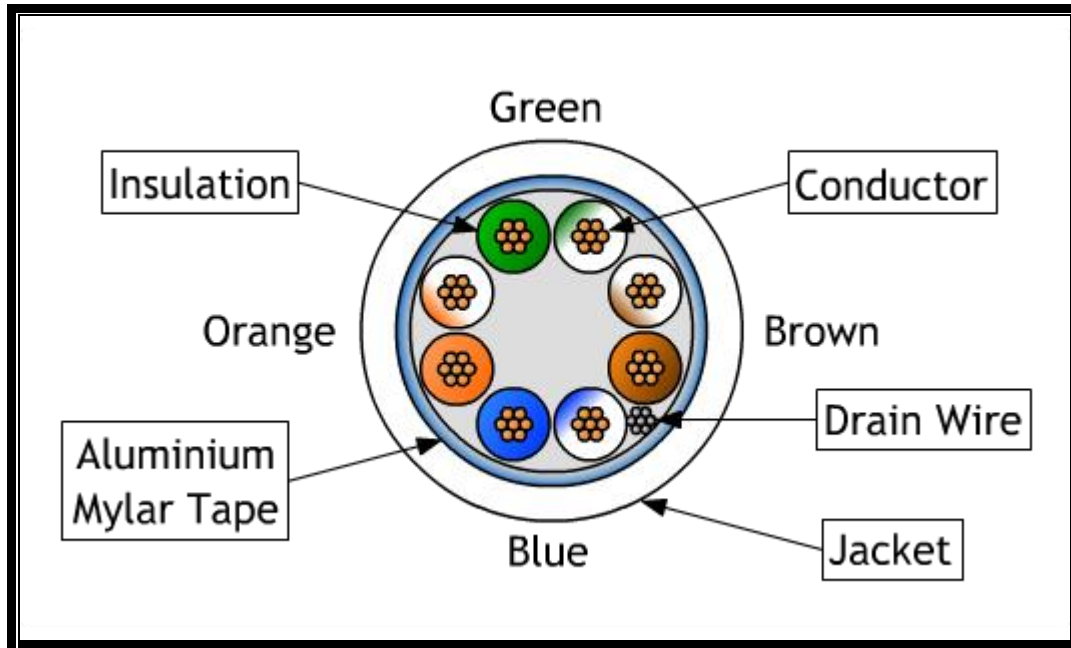
ISO/IEC 11801: Patch Cable (Stranded Conductor), 26 AWG x 4P

1. **Conductor:** Stranded Bare Copper (7 x 34 AWG)
2. **Insulation :** HDPE (CMI-75E)
Nominal Wall Thickness: 0.201mm
Min. Thickness: 0.175mm
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 + Tinned Copper Drain Wire (7 x 34 AWG)
5. **Jacket:** 75 °C LSZH Compound
Nominal Wall Thickness: 0.585mm
Min. Thickness: 0.458mm
Overall Diameter: 5.6mm ± 0.3mm
6. **Electric Requirements:** (Cable length: 100m)
Characteristic Impedance(Z_0): 85 ~ 115 Ω (1 ~ 100 MHz)
DC. Resistance Capacitance Unbalance: 5%
Pair-to-Ground Capacitance Unbalance: 330 pF/100m Max.
Conductor Resistance: 14.00 Ω /100m 20°C Max.
Mutual Capacitance: 5.6nF/m Max.
Spark Test: 2.5kV
Nominal Velocity of Propagation (NVP): 76%

RoHS Compliant



CAT5e FTP Stranded LSZH Lan Cable



Frequency MHz	Att. Stranded	Pr-Pr NEXT	PS NEXT	Prop. Delay ns	Delay Skew ns	Return Loss	Pr-Pr ELFEXT	PS ELFEXT
1	3.2	65.3	62.3	538.5	45	20.0	63.8	60.8
10	9.9	50.3	47.3	545.0	45	25.0	43.8	40.8
16	12.3	47.3	44.4	539.9	45	25.0	39.7	36.7
20	13.8	45.8	42.8	540.2	45	25.0	37.7	34.7
25	15.6	44.4	41.3	540.8	45	24.2	35.8	32.8
31.25	17.7	42.9	39.9	541.4	45	23.3	33.9	30.9
62.5	25.6	38.4	35.4	542.5	45	20.7	27.8	24.8
100	33	35.3	32.3	543.0	45	19.0	23.8	20.8