



L&W ELECTRONICAL INDUSTRIAL LIMITED

**PATCH S/FTP 4Pairs cable-category 6A-LSZH Sheath**

|   |                                     |                           |      |  |  |  |  |
|---|-------------------------------------|---------------------------|------|--|--|--|--|
| <b>Product Description:</b><br>Rated temperature: 90℃<br>Reference Standard:UL444,UL1581<br>Bare solid copper conductor<br>Rohs/REACH complied LSZH Jacket<br>Flame Test: IEC60332-1 ,IEC60332-3C CMX<br>Installation temperature:-30℃~+50℃ |                                     |                           |      | <b>Application:</b><br>Volp , ISDN<br>Token , 100M TP-PDM<br>Analog and Data Video<br>TR-16 Active And Passive<br>155M/662m/1.2GATM<br>IEEE802.3: 100Base;100Base-T 1000Base-T 10GBase-T |  |  |  |
| Content of the Data Sheet   |                                     |                           |      |  |  |  |  |
| Category  | PATCH S/FTP-CAT6A-4P-LSZH           |                           |      |  |  |  |  |
| Test Standard   | ISO/IEC11801、TIA-568-C.2 、 YD/T1019 |                           |      |  |  |  |  |
| Conductor   | Material                            | stranded-Bare Copper      |      |  |  |  |  |
|   | dimension.(mm)                      | 26AWG(7/0.16)             |      |  |  |  |  |
| Insulation  | Material                            | Skin-foam-skin PE         |      |  |  |  |  |
|   | Diameter                            | 1.00±0.05 mm              |      |  |  |  |  |
| Inner Screening Material  | Aluminum Foil                       | Drain wire                | No   |  |  |  |  |
| Outer Screening Material  | Tinned copper 0.10mm                | Coverage                  | ≥40% |  |  |  |  |
| Sheath  | Thickness                           | 0.55±0.05 mm              |      |  |  |  |  |
|   | External O.D.                       | 6.3±0.4 mm                |      |  |  |  |  |
|   | Surface                             | Clean                     |      |  |  |  |  |
|   | Material                            | LSZH                      |      |  |  |  |  |
|   | Color                               | According to the requires |      |  |  |  |  |
| Surface Printing  | Letter height                       | 3.0±0.3mm                 |      |  |  |  |  |
|   | Color                               | Black                     |      |  |  |  |  |
|   | Print error & Space                 | ≤±0.5%, 1m                |      |  |  |  |  |
| Core Color  | 1 White/Blue                        | 2 White/Orange            |      |  |  |  |  |
|   | 3 White/Green                       | 4 White/Brown             |      |  |  |  |  |
| Packing   | Wooden Tray & Carton                |                           |      |  |  |  |  |
| Wooden Tray dimension   | According to the requires           |                           |      |  |  |  |  |
| Packing length  | 305±1.0m                            |                           |      |  |  |  |  |
| Rip-cord  | Yes                                 |                           |      |  |  |  |  |

  

|  |                       |                                  |       |
|--|-----------------------|----------------------------------|-------|
|  | Before Aging          | Tensile Strength (Mpa)           | ≥10.0 |
|  |                       | Elongation (%)                   | ≥125  |
|  | Aging Period (℃×hrs)  | 100℃×24h×7d                      |       |
|  | After Aging           | Tensile Strength (Mpa)           | ≥8    |
|  | Elongation (%)        | ≥100                             |       |
|  | Cold bend (-20±2℃×4h) | 8×Cable O.D. , No visible cracks |       |

  

|                                  |  |      |
|----------------------------------|--|------|
| Electrical Characteristics (20℃) | Delay Shew (ns/100m)                           | ≤45  |
|                                  | Velocity of Propagation (%)                    | 72   |
|                                  | capacitance (nf/100m) max                      | 5.6  |
|                                  | unbalanced-to-ground capacitance (pf/100m) max | 330  |
|                                  | DC Resistance (Ω/100m) max                     | 14.5 |
|                                  | DC Conductor Resistance Unbalance (%) max      | 5.0  |
|                                  |  |      |

# LAN CABLE

| Technical Performance (100m) nom: |         |          |           |                  |                 |             |             |               |
|-----------------------------------|---------|----------|-----------|------------------|-----------------|-------------|-------------|---------------|
| Frequency (MHz)                   | RL (dB) | ATT (dB) | NEXT (dB) | PHASE DELAY (ns) | Frequency (MHz) | PSNEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) |
| 1                                 | 20.0    | 2.1      | 74.3      | 570.0            | 1               | 72.3        | 68.0        | 65.0          |
| 4.0                               | 23.0    | 3.8      | 65.3      | 552.0            | 4               | 63.3        | 56.0        | 53.0          |
| 8.0                               | 24.5    | 5.3      | 60.8      | 546.7            | 8               | 58.8        | 49.9        | 46.9          |
| 10.0                              | 25.0    | 5.9      | 59.3      | 545.4            | 10              | 57.3        | 48.0        | 45.0          |
| 16.0                              | 25.0    | 7.5      | 56.2      | 543.0            | 16              | 54.2        | 43.9        | 40.9          |
| 20.0                              | 25.0    | 8.4      | 54.8      | 542.1            | 20              | 52.8        | 42.0        | 39.0          |
| 25.0                              | 24.3    | 9.4      | 53.3      | 541.2            | 25              | 51.3        | 40.0        | 37.0          |
| 31.25                             | 23.6    | 10.5     | 51.9      | 540.4            | 31.25           | 49.9        | 38.1        | 35.1          |
| 62.5                              | 21.5    | 15.0     | 47.4      | 538.6            | 62.5            | 45.4        | 32.1        | 29.1          |
| 100                               | 20.1    | 19.1     | 44.3      | 537.6            | 100             | 42.3        | 28.0        | 25.0          |
| 200                               | 18.0    | 27.6     | 39.8      | 536.5            | 200             | 37.8        | 22.0        | 19.0          |
| 250                               | 17.3    | 31.1     | 38.3      | 536.3            | 250             | 36.3        | 20.0        | 17.0          |
| 300                               | 16.8    | 34.3     | 37.1      | 536.1            | 300             | 35.1        | 18.5        | 15.5          |
| 500                               | 15.2    | 45.3     | 33.8      | 535.6            | 500             | 31.8        | 14.0        | 11.0          |