

Category 6A PIMF 26 AWG PATCH CABLE, LSOH

Product Specification

FEATURES:

All Proposed Category 6 Requirements as Per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards.

1. ANSI/TIA/EIA 568-B.2-10
2. ISO/IEC 2nd Edition 11801 Amendment 1.2
3. IEC 61935-2 for Patch Cord
4. ISO/IEC 61156-6 2nd Edition for Stranded Cables

We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

CHARACTERISTICS:

| | | |
|------------------|-------------------------------|--|
| Conductor | Material | Bare Copper |
| | Size | 26AWG |
| | Construction | 7/0.16 ± 0.005 mm |
| Insulation | Material | Foam-Skin PE |
| | Thickness | Average: 0.27 mm Min. at any point: 0.30mm |
| | Diameter | 1.08 ± 0.03 mm |
| | Colors | Blue/White Orange/White |
| | | Green/White Brown/White |
| | Elongation | Min. 150 % |
| Tensile Strength | Min. 0.51 Kg/mm ² | |
| Inner-Shield | Aluminum-Mylar | An aluminum foil screen around each pair with Aluminum foil on outside surface |
| Braid | Material | Tinned Copper(In accordance with the norms of production) |
| Sheath | Material | LSOH |
| | Thickness | Average: 0.45 mm |
| | | Min. at any point: 0.40 mm |
| | Diameter | 5.7 ± 0.3 mm |
| | Color | Assorted upon request |
| | Elongation | Min. 125% |
| Tensile Strength | Min. 0.917 Kg/mm ² | |

| | | |
|--|--------------------------|--|
| | Aging at 100□ for 168Hrs | Min. elongation retention:75% Min. tensile strength retention:70% |
| | Marking | LSOH: PRESTAQ CAT.6A SSTP 10 GIGABIT ETHERNET PATCH CABLE ISO/IEC 11801 & EN 50288 & TIA/EIA-568-B.2 & IEC 332.1 26AWGX4P LSOH or as customer request. |
| | Flame Test | Burning five times, every time is less than 60 second and paper flag can't be burned. |

| | |
|----------------------------|--------------------------|
| Spark Test | 750 V ac |
| Dielectric Strength | 2500 V dc / 3 seconds |
| Insulation Resistance Test | Min. 150 MΩ/Km |
| Conductor Resistance | Max. 14.07 Ω/100m at 20□ |
| Resistance Unbalance | Max. 5% |
| Capacitance Unbalance | Max. 160 pF/100m |
| Mutual Capacitance | Max. 5600 pF/100m |

APPROVALS:

- UL/cUL Listed
- 3P Certified for Category 6A PIMF Patch Cable

APPLICATIONS:

- 10GBASE-T ETHERNET (IEEE P802.3an) Proposed
- 1000BASE-TX Fast Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet.
- 10BASE-T Ethernet.
- 155/622 Mbps ATM
- 4/16 Mbps Token Ring
- 100VG-AnyLAN
- 100 Mbps TP-PMD
- 1.2Gb/s ATM

TYPICAL PERFORMANCE:

| Impedance | 64kHz | 125Ω± 20% | | |
|--------------------------------------|--------------------|--------------------------|--------------|-----------------|
| | 1~500MHz | 100Ω± 15% | | |
| Attenuation & Near End Cross Talk | Frequency (MHz) | Attenuation (dB/100M) | Next (dB) | PS NEXT (dB) |
| | 1MHz | 3.15* | 74.3* | 72.3* |
| | 10MHz | 8.85* | 59.3* | 57.3* |
| | 100MHz | 28.65* | 44.3* | 42.3* |
| | 200MHz | 41.4* | 39.8* | 37.8* |
| | 250MHz | 46.65* | 38.3* | 36.3* |
| | 300MHz | 51.45* | 37.1* | 35.1* |
| | 400MHz | 60.15* | 35.3* | 33.3* |
| | 500MHz | 67.95* | 33.8* | 31.8* |

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula :

NEXT $31-50\text{LOG}_{10}(f \text{ MHZ}/330)$

DRAWING:

| | |
|-----------------------|----------------------|
| 2 ORANGE /WHITE | 3 GREEN /WHITE |
| BLUE /WHITE 1 | BROWN /WHITE 4 |

