



F/UTP CAT.6A SHIELDED COPPER PATCH CORD - GIGALAN AUGMENTED

Product Type	Metallic Patch Cord
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Product Family	GigaLan Augmented
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Standard	ROHS Compliant
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Applications

Installation Environment	Indoor
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Operation Environment	Non aggressive
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Compatibility	All FCS products
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Warranty	12 months
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Extended Warranty	15 or 25 years - in accordance to the FCS Extended Warranty Program
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Advantage

- Exceeds physical and electrical requirements of TIA/EIA-568-C.2 for CAT.6A;
- Guaranteed channel performance 10 Gigabit Ethernet connections for 4 channels up to 100 meters (F/UTP);
- Reduced diameter, greater flexibility
- Can be used with the following protocols: IEEE 802.3an (10Gbps), IEEE 802.3z (1Gbps), all previous protocols and 802.3af e 802.3at.
- Support the solution U/UTP and F/UTP with the same product;
- Supplied with Boot and Latch Guard.
- 100% assemble and tested in factory.

Marking

For production with jacket material PVC.

FURUKAWA GIGALAN AUGMENTED CAT. 6A F/UTP FLEX 26AWG(7F) X4P CM
- ANATEL 0683-12-0256/ 2083-12-0256 - VERIFIED TO TIA-568-C.2 PATCH CABLE C
---YAAMMDDHHmm {1}M

For production with jacket material LSZH.

FURUKAWA GIGALAN AUGMENTED CAT. 6A F/UTP FLEX 26AWG(7F) X4P LSZH
- ANATEL 0683-12-0256/ 2083-12-0256 - VERIFIED TO TIA-568-C.2 PATCH CABLE L
---YAAMMDDHHmm {1}M

Where:

{1} - Decreasing sequential marking in meters
 Over the external jacket

Traceability

Y- Manufactory Process

AAMMDDHHmm: AA - year; MM - Month; DD - Day; HH - Hour; mm - minute.

Trace

Label with serial number on one end.

Constructive characteristic

Length	From 0.5 up to 20 meters
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Nominal Diameter	6.3mm				
Weight	0.035 kg/m				
Color	Default: LSZH:Gray, Blue, Red and Yellow; CM: Gray, Blue and Yellow; * Others colors (green, white, black) have minimum order quantity equivalent 3000 meters of cable.				
Connector Type					
Cable type	F/UTP				
Conductor type	Electrolytic copper, flexible, bare, formed by 7 filaments of nominal diameter of 0.16mm.				
Flammability Rating	CM, CMR and LSZH				
Number of Pairs	4 pairs				
Material of electrical contact	8-way phosphor bronze with 100µin (2.54 µm) of nikel and 50µin (1.27 µm) of gold				
Material of Product body	plug: Transparent thermoplastic material UL 94V-0				
Assembly Standard	T568A/B or Cross-over				
Storage Temperature	-40°C up to +70°C				
Operation Temperature	-10°C to +60°C				
Performance					
Cycles quantity	≥ 750 RJ45				
Maximum CC resistance	140 Ω/km				
Maximum Unbalance Resistance	4%				
Maximum Mutual Capacitance 1kHz	56 pF/m				
Maximum Propagation Delay	545ns/100m				
Characteristic Impedance	100±15%Ω				
Dielectric strength	<table> <tr> <td>Between conductors</td><td>Between each conductor and shield</td></tr> <tr> <td>2500 VDC/3s</td><td>2500 VDC/2s</td></tr> </table>	Between conductors	Between each conductor and shield	2500 VDC/3s	2500 VDC/2s
Between conductors	Between each conductor and shield				
2500 VDC/3s	2500 VDC/2s				
NVP	68%				

Delay skew between pairs 45 ns/100m

Package

Package Type Transparent plastic bag with identification label.

Amount per box gift

- From 0.5m: 20 pieces
- From 1.0m to 1.5m: 15 pieces
- From 2.0m to 3.0m: 10 pieces
- From 4.0m to 6.0m: 15 pieces
- From 7.0m to 12.0m: 10 pieces
- From 13.0m to 20.0m: 08 pieces

Minimum order quantity 01 box

Dimension 155 x 205 x 67 mm

Associated Solutions Data Center, Commercial Building, Government, Finances, Health, Education

Standards and Certifications

Standard

ANSI/TIA 568 C.2 and adendums
IEC 60332-1
IEC 60332-3
IEC 61034-2 (LSZH - smoke density)
IEC 60754-2 (LSZH - Acidity of smoke)
FCC parte 68 subparte F for el plug RJ-45
IEC-60603-7 (Connector for electronic equipment)
ISO/IEC 11801

ISO 8877 - Information Technology - Telecommunications and information exchange between systems - Interface connector and contact assignments for ISDN basic access interface located at reference points S and T

NMX-I-248-NYCE-2008

Certification

4 connections ETL - 101795378CRT-001a (channel Verified)

ETL Verified 100586662CRT-001b (LSZH)

ETL Verified 100586654CRT-001b (CM)