

## U/UTP CAT.5e COPPER PATCH CORD - MULTILAN



<b>Product Type</b>	Metallic Patch Cord
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<b>Product Family</b>	Multilan
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<b>Standard</b>	ROHS Compliant
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### Applications

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

- Exceeds the limits established in CAT.5E / D standard;
- Guaranteed channel performance up to 4 connections channels up to 100 meters;
- Supporting IEEE 802.3, 1000 Base T, 1000 Base TX, EIA/TIA-854, ANSI-EIA/TIA-862, ATM, Video, Automation and all previous LAN protocols;
- Thermoplastic covers ("boot") to prevent accidental disconnection at the workstation. This cover has the same dimensional RJ-45 plug connector.
- Produced and 100% tested at the factory.

<b>Marking</b>	"FURUKAWA MULTILAN U/UTP FLEX RoHS 24 AWG x 4P CM ANATEL XXX-XXX-XXX/ZZZ-ZZZ-ZZZ ETL VERIFIED TO EIA/TIA 568-C.2 CATEGORY 5e PATCH CABLE YAAMMDDHhmm"
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### Constructive characteristic

<b>Length</b>	From 0.5 up to 20 meters
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<b>Nominal Diameter</b>	5.2 mm
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<b>Weight</b>	0.031 kg/m
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<b>Color</b>	Yellow, Blue, White, Red, Gray, Green, Black, Brown*, Beige* and Orange*.
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<b>Connector Type</b>	RJ-45
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<b>Cable type</b>	U/UTP Cat.5e
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<b>Conductor type</b>	Electrolytic copper, flexible, bare, formed by 7 filaments of nominal diameter of 0.20mm
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<b>Flammability Rating</b>	CM, CMR
<b>Number of Pairs</b>	4 pairs, 24AWG
<b>Material of electrical contact</b>	8-way phosphor bronze with 100µin (2.54 µm) of nickel and 50µin (1.27 µm) of gold
<b>Material of Product body</b>	Transparent thermoplastic material UL 94V-0
<b>Assembly Standard</b>	T568A/B or Cross-over
<b>Storage Temperature</b>	-40°C up to +70°C
<b>Operation Temperature</b>	-10°C to +60°C

**Performance**

<b>Cycles quantity</b>	≥ 1000 RJ45 and ≥ 200 RJ11 ≥ 200 in IDC block
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<b>Maximum Mutual Capacitance 1kHz</b>	56 pF/m
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<b>Characteristic Impedance</b>	100±15%Ω
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<b>Dielectric strength</b>	1500 VDC/3s
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<b>NVP</b>	66 %
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**Electrical performance**

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (worst pair) dB	Power Sum NEXT dB	ELFEXT (worst pair) dB	Power Sum ELFEXT dB	Return Loss dB
0.772	2.2	67	64	-	-	-
1	2.4	65.3	62.3	63.8	60.8	20.0
4	4.9	56.3	53.3	51.7	48.7	23.0
8	6.9	51.8	48.8	45.7	42.7	24.5
10	7.8	50.3	47.3	43.8	40.8	25.0
16	9.9	47.3	44.3	39.7	36.7	25.0
20	11.1	45.8	42.8	37.7	34.7	25.0
25	12.5	44.3	41.3	35.8	32.8	24.2
31.25	14.1	42.9	39.9	33.9	30.9	23.3
62.5	20.4	38.4	35.4	27.8	24.8	20.7
100	26.4	35.3	32.3	23.8	20.8	19.0

**Package**

<b>Package Type</b>	Transparent plastic bag with identification label.
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<b>Amount per box gift</b>	From 0.5m to 1.5m: 20 pieces From 2.0m to 2.5m: 15 pieces From 3.0m: 10 pieces From 4.0m to 6.0m: 20 pieces From 7.0m to 12.0m: 12 pieces From 13.0m to 20.0m: 08 pieces
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<b>Minimum order quantity</b>	1 box* * Minimum order quantity is 3000 meters of cable in the colors Brown, Beige and Orange.
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<b>Dimension</b>	320 x 220 x 220 mm
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<b>Associated Solutions</b>	Data Center, Commercial Building, Government, Finances, Health, Education
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**Standards and Certifications**

<b>Standard</b>	EIA/TIA 568 C.2 and Addendums
	ISO/IEC 11801
	NBR 14565

<b>Certification</b>	ETL 4 connections 3075278-003
	ISO9001/ISO14001 416253
	ETL Verified 3126372CRT-001c