



PATCH CORD U/UTP MULTILAN CAT.5E

Product Type	Metallic Patch Cord
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Product Family	Multilan
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Standard	ROHS Compliant
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Applications

Installation Environment	Indoor
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Operation Environment	Not aggressive
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Compatibility	All FCS products
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Warranty	12 months
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Extended Guaranty	15 or 25 years - in accordance to the Special Warranty Program FCS
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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.

Marking	"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 YAAMMDHHmm"
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Trace	Label with serial number on one end.
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Constructive characteristic

Length	From 0,5 up to 20 meters
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Nominal Diameter	5,2 mm
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Weight	0,031 kg/m
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Color	Yellow, Blue, White, Red, Gray, Green, Black, Brown*, Beige* and Orange*.
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Connector Type	RJ-45
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Cable type	U/UTP Cat.5e
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Conductor type	Electrolytic copper, flexible, bare, formed by 7 filaments of nominal diameter of 0,20mm
Flammability Grade	CM, CMR, LSZH or LSZH-1
Number of Pairs	4 pairs, 24AWG
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	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	≥ 1000 RJ45 and ≥ 200 RJ11 ≥ 200 in IDC block
Maximum CC resistance	93,8 Ω/km
Maximum Mutual Capacitance 1kHz	56 pF/m
Characteristic Impedance	100±15%Ω
Dielectric strength	1500 VDC/3s
NVP	66 %

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

Package Type	Transparent plastic bag with identification label.
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Amount for box gift

- From 0,5 to 2,5m: 40 pieces
- From 3,0 to 4,0m: 25 pieces
- From 4,0 to 6,0m: 15 pieces
- From 6,0 to 12,0m: 10 pieces
- From 12,0 to 15,0m: 06 pieces
- More than 15,0m: 05 pieces

Minimum order quantity

1 box*

* Minimum order quantity is 3000 meters of cable in the colors Brown, Beige and Orange.

Dimension

320 x 220 x 220 mm

Associated Solutions

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

Standards and Certifications

Standard

EIA/TIA 568 C.2 and Addendums

ISO/IEC 11801

NBR 14565

Certification

UL Listed E173971

ETL 4 connections 3075278-003

ISO9001/ISO14001 416253

ETL Verified 3126372CRT-001c
