

CAT6 UTP PATCH CORD

PRODUCT DETAILS

Svarn solid conductor twisted-pair cables is simple, cost-effective and for high-speed transmission performance.

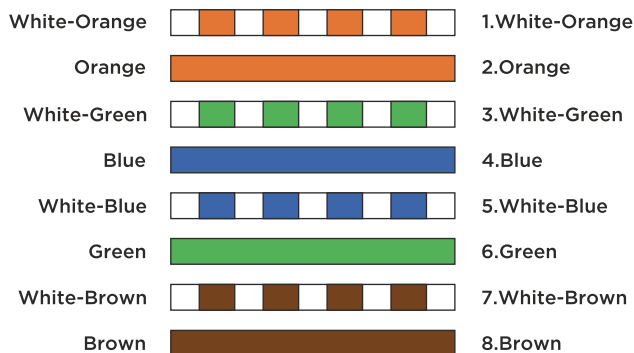
Our cables support a higher signal-to-noise ratio and providing better reliability with higher data rates over Local Area Networks (LANs).

- 10 Base-T, 100 Base-TX, 1000 Base-T
- Temperature Rating : -15°C to +70°C
- UV Resistance
- RoHS Compliant

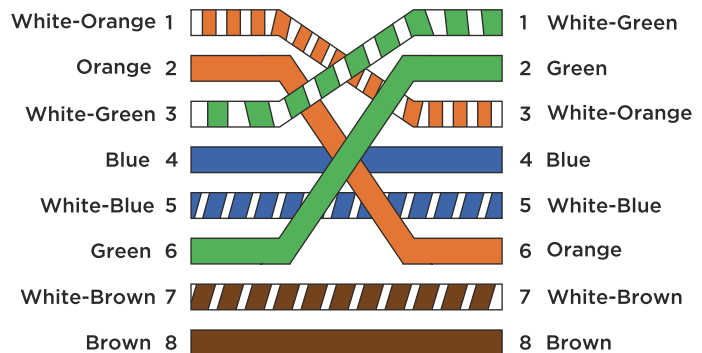


PIN CONFIGURATION

Straight



Cross



SPECIFICATIONS CABLE

Mechanical	
Inner Conductor	23 AWG Bare Solid Copper, 4 Pair Twisted
Conductor Dia.	0.58 - 0.01 MM
Insulation Dia.	1.0 - 0.025 MM
Insulation Material	HDPE
Sheath	PVC Compound (0.50 MM)
Sheath Dia.	6.0 - 0.5 MM
Filler	Polyethylene



SVARN
Inspired by possibilities

Electrical

Impedance @ 1 MHZ	100 - 15 Ω
Capacitance	56 - 5 NF/KM
Insulation Resistance At 500 V	5000 M Ω / KM (Min.)
HVT Test On Assy. As Per IEC 11801	1 KV DC
Insulation TS	12.5 N/SQ MM (Min.)
Sheath TS/After Ageing	12.5 N/SQ MM (Min.)// \pm 20% Of Initial Value
Elongation Of Insulation	300% Min
Elongation Of Sheath /After Ageing	150% Min / \pm 20% Of Initial Value
Conductor Resistance At 20 $^{\circ}$ c	7.5 Ω Max.

CHANNEL TEST CONFIGURATION TRANSMISSION PARAMETERS AS PER ANSI/TIA-568-C.2

Frequency (MHZ)	Attenuation at 20 $^{\circ}$ C dB/100m Maximum	Return Loss at 20 $^{\circ}$ C Minimum in dB	NEXT at 20 $^{\circ}$ C Minimum in dB
1	3.0	19	65
10	6.3	19	56.6
20	9.0	17.5	51.6
100	21.3	12	39.9
200	31.5	9	34.8
250	35.9	8	33.1

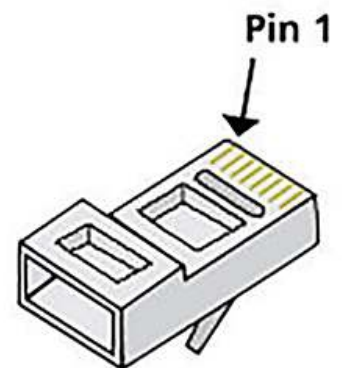
MODULAR PLUG

Electrical Specifications

- Dielectric withstanding Voltage : 1000V DC/Min., <0.5A
- Insulation resistance : 500 M Ω
- Contact resistance : <20 M Ω
- UL applications : 250 Volts AC Max at 2 Amps.

Mechanical Specifications

- Cable-To-Plug Tensile Strength : 20lbs(89N)Min.
- Insertion / Extraction Life (durability) : > 750 Mating Cycle
- Material and Finish



RJ-45 Plug

Plug Material / Housing

Material : Polycarbonate UL94V-0
or 94V-2
Finish : Transparent

Contact Material

Material : Copper Alloy
Finish : Gold



SVARN GROUP

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