



SVARN
Inspired by possibilities

CAT5E UTP/SFTP 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



SPECIFICATIONS CABLE

Mechanical	
Inner Conductor	24 AWG bare solid copper, 4 pair twisted
Insulation Material	Polyethylene
Insulation Dia.	1.04 ± 0.025
Sheath Color/Material	Black / PVC RoHS complied
Sheath Dia.	6.00 ± 0.5MM
Bending Radius	8 x Cable Diameter
Electrical	
Impedance @ 1 MHZ	100 ± 15 Ω
Capacitance	50 ± 5 NF / KM
Insulation resistance at 500 V	5000 M Ω / KM (Min.)
Conductor Resistance at 20°C	9.38 Ω Max. / 100 M
HVT Test	1 KV DC

PIN CONFIGURATION



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

Frequency (MHZ)	Attenuation at 20°C dB/100M Maximum	Return Loss at 20°C Minimum in dB	NEXT at 20°C Minimum in dB
1	3.0	17	60
10	7.1	17	47
20	10.2	17	42
62.5	18.6	12.1	33.6
100	24.0	10	30.1

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

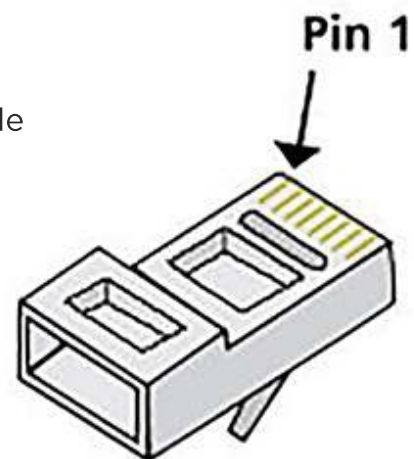
- Cable-To-Plug Tensile Strength : 20lbs(89N)Min.
- Insertion / Extraction Life (durability): > 750 Mating Cycle
- Plug Material / Housing
 Material : Polycarbonate UL94V-0 or 94V-2
 Finish : Transparent

Contact Material

Material : Copper Alloy
 Finish : Gold

Shielded Shell

Material : Copper Alloy
 Finish : Nickel Plated



RJ-45 Plug