

Cat 6 Shielded Keystone Inline Coupler



Model: NPN-RJ45-1C6SF-T

Main Features:

- ✧ Connect two RJ45 patch cables to create a longer cable;
- ✧ Durable design: ≥ 750 mating cycles;
- ✧ Gold-plated contacts and snap-in retaining clip to ensure secure connection.

Connector Type

Category	Cat 6
Connector	2x RJ45(8P8C) Female Ports
Shielding	Shielded

Material

Housing Material	Polycarbonate + PBT
Shielded Material	Nickel Plating on Bronze
Contact Material	Phosphor Bronze, Stamped Pin, Thickness = 0.35mm
Contact Surface Material	Gold Plating (0.5U or 0.00127 μm)

Electrical Properties

Voltage/Current Rating	125 VAC / 1.5 A
Insulation Resistance	$\geq 1000 \text{ M}\Omega$
Contact Resistance	$\leq 100 \text{ m}\Omega$ at 500 VDC
Dielectric Strength	750 VAC RMS, 60Hz, 1 minute

Mechanical Properties

Durability	≥ 750 mating cycles
Wire Gauge	AWG 22-26

Environment

Operating Temperature	-40°C to 70°C
Operating Humidity	RH 10% to 90% (non-condensing)
Storage Temperature	-40°C to 80°C
Storage Humidity	RH 5% to 96% (non-condensing)

General

Dimension	43x21x20 mm (LxWxH)
Net Weight	23 g

Diagram

