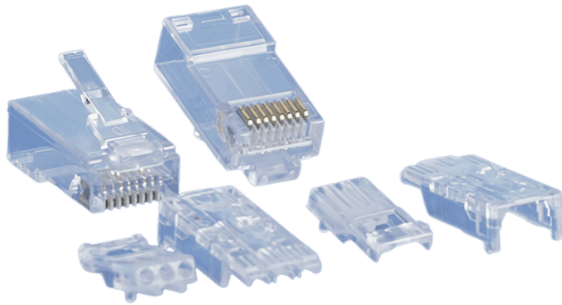




# AstroWave Category 6, Unshielded RJ45 Modular Plug



## Applicable Standards

- IEEE 802.3bt PoE++ (Type 3)
- ANSI/TIA 568.2-D

## Product Part Number

N092.C6UNx

## Product Description

The AstroWave CAT6 Unshielded RJ45 Modular Plug is engineered for high-speed, reliable networking performance. Built with premium materials and innovative design, it ensures seamless connectivity for solid and stranded cables across residential, commercial, and industrial setups. Featuring gold-plated contacts, a robust 3-prong design, and PoE++ compatibility, this plug enhances data transfer rates, minimizes signal loss, and supports advanced power-over-ethernet applications.

## Product Features

- **Premium Build Quality** : Constructed with durable materials, including PC 94V-0 for plug and inserts, and phosphor bronze (P.B.) for terminals, ensuring longevity.
- **High-Quality Contacts** : 50 micro-inch gold-plated contacts guarantee low resistance, reducing signal loss for optimal network performance.
- **Enhanced Design** : A 3-prong configuration improves connection reliability and data transmission stability.
- **Versatile Compatibility** : Supports both solid and stranded cables, accommodating a wide range of cabling options.
- **Broad Cable Support** : Fits inner cable diameters up to 1.2mm and cable jacket diameters up to 5.70mm, offering flexibility for various installations.
- **PoE++ Support** : Compatible with IEEE 802.3bt Type 3 standards, delivering up to 51W of power for advanced networking devices.
- **Fast and Reliable** : Reduces signal interference and ensures consistent high-speed data transmission for efficient network access.





### Material Specifications

Plug Type	Unshielded RJ45 Modular Plug
Plug Material	PC 94V-0
Insert Material	Insert A & B: PC 94V-0
Terminal Material	P.B. (6 terminals)
Additional Terminals	Terminal 4.9mm: P.B. (2 terminals)
Gold Plating	50 micro-inch plating for contacts

### Environmental Specifications

Operating Temperature Range	-20°C to 75°C
Installation Temperature Range	0°C to 50°C
Storage Temperature Range	-40°C to 75°C

### Ordering Information

N092.C6UN50	AstroWave Category 6, Unshielded RJ45 Modular Plug (Pack of 50 Pcs)
N092.C6UN100	AstroWave Category 6, Unshielded RJ45 Modular Plug (Pack of 100 Pcs)

### Shipping Information

Item	Dimension
Product	Length : 22.89mm Width : 11.68mm Height : 7.90mm