

BNC F CPS TYPE CRIMP for BT3002 Cable

P/N: AT3B20S-4S

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight CPS (center pin solder)
- Termination Style : Crimp
- Cable : BT3002
- Application : General Purpose/Telecom etc

The **BNC Female CPS Type Crimp Connector** for BT3002 cable is a high-performance, compact solution designed for high-density telecommunications. Featuring a **Center Pin Solder (CPS)** design and robust crimp termination, it ensures rapid, reliable installation with superior pull-strength. This **75-ohm connector** is engineered for **DS3 and E3 digital transmission**, providing **excellent signal integrity**. Key applications include **central office switching, digital distribution frames (DDF), cellular backhaul equipment, and high-speed broadcast video routing** where space-saving and low-loss performance is critical.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	Ω
Frequency Range	DC ~ 4	GHz
VSWR	≤ 1.15	@DC-2 GHz
	≤ 1.30	@2-4 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
Power Handling	300	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Ferrule	Annealed Copper	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Cable Type Compatibility	BT3002 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-