

DESCRIPTION

Bellcom CAT6 shielded RJ45 ends are modular 8P8C plugs designed for terminating shielded CAT6 network cables. These plugs support solid and stranded cable and include copper alloy shielding for improved protection in shielded structured cabling systems.

KEY FEATURES

- 50 micro-inch gold plated contacts
- Works on stranded or solid conductors
- Transparent housing for easy conductor alignment
- 8 pins x 8 conductors modular plug configuration
- Fits 22 AWG - 26 AWG wires under 1.5 mm OD
- Fits cables with jacket outer diameter under 8.0 mm
- Copper alloy shielding

PRODUCT SUMMARY

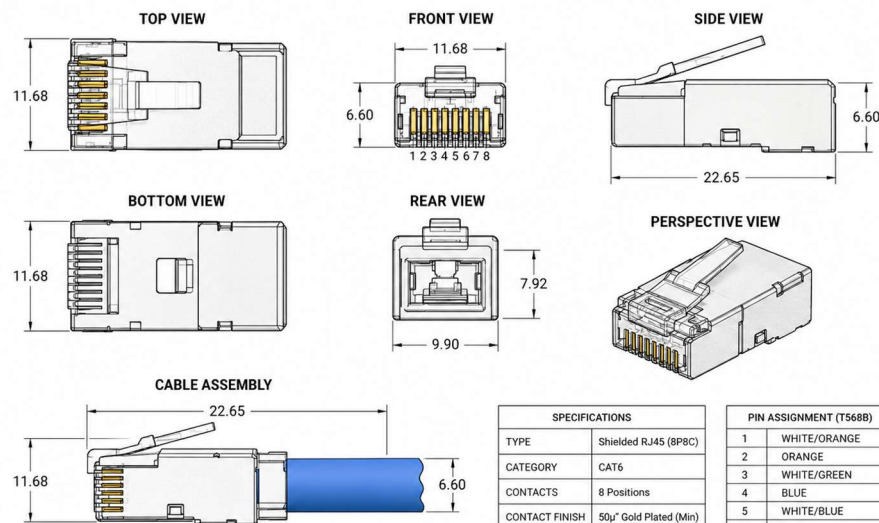
Product Type	CAT6 shielded RJ45 plug / modular connector
Category	CAT6
Connector Format	RJ45 / 8P8C
Contacts	50 micro-inch gold plated
Shielding	Copper alloy shielded shell
Conductor Compatibility	Solid or stranded conductors
Wire Size	22 AWG - 26 AWG, under 1.5 mm OD
SKU	BC6-SRJ45

APPLICATIONS

- Shielded CAT6 cable termination
- Network patch cord assembly
- Structured cabling installations
- Data, voice, and low-voltage network connections
- Use with compatible shielded cable and RJ45 crimping tools

CAT6 SHIELDED RJ45 CONNECTOR (8P8C)

DIMENSIONS IN MILLIMETERS



NOTES:
1. DIMENSIONS ARE NOMINAL AND FOR REFERENCE ONLY.

SPECIFICATIONS	
TYPE	Shielded RJ45 (8P8C)
CATEGORY	CAT6
CONTACTS	8 Positions
CONTACT FINISH	50µ" Gold Plated (Min)
HOUSING	Polycarbonate (Clear)
SHIELD	Metal Shell

PIN ASSIGNMENT (T568B)	
1	WHITE/ORANGE
2	ORANGE
3	WHITE/GREEN
4	BLUE
5	WHITE/BLUE
6	GREEN
7	WHITE/BROWN
8	BROWN

CONSTRUCTION & CHARACTERISTICS

Component	Property	Specification
Connector	Format	RJ45 modular plug / 8P8C
Connector	Pin / Conductor Count	8 pins x 8 conductors
Contacts	Plating	50 micro-inch gold plated contacts
Housing	Material	Polycarbonate, transparent
Contact Blade	Material	Copper alloy
Shielded Shell	Material	Copper alloy shielding

TECHNICAL DATA

Category	Property	Specification
Electrical	UL Applications	250 Volts AC max. at 2 AMPS
Electrical	Dielectric Withstanding Voltage	500 Volts AC
Electrical	Insulation Resistance	100 M ohm
Electrical	Termination Resistance	20 m ohm max after environmental testing
Mechanical	Cable-to-Plug Tensile Strength	20 pound minimum
Mechanical	Durability	200 mating cycles
Physical	Housing	Polycarbonate, UL94V-0
Physical	Color	Transparent
Physical	Contact Blade	Copper alloy
Physical	Conductor	Stranded & solid wire, 23 AWG
Physical	Gold Plating	50 micro-inch
Physical	Shielded Shell	Copper alloy

INSTALLATION & COMPATIBILITY NOTES

- Use with compatible CAT6 shielded cable and shielded RJ45 crimping tool.
- Verify conductor order before crimping.
- Confirm cable jacket OD and conductor size are within listed limits.
- Test assembled cables after termination to confirm network performance.
- Designed for shielded structured cabling applications.

ORDERING INFORMATION

SKU: BC6-SRJ45 | Bellcom Technologies CAT6 Shielded RJ45 Ends / 8P8C Modular Plugs