

DESCRIPTION

Bellcom CAT6 RJ45 ends are modular 8P8C plugs designed for terminating CAT6 network cables. The plugs support solid and stranded conductors and feature transparent housing for easier conductor alignment during termination.

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 23 AWG wires under 1.5 mm OD
- Fits cables with jacket outer diameter under 8.0 mm
- 50 pieces per bag

APPLICATIONS

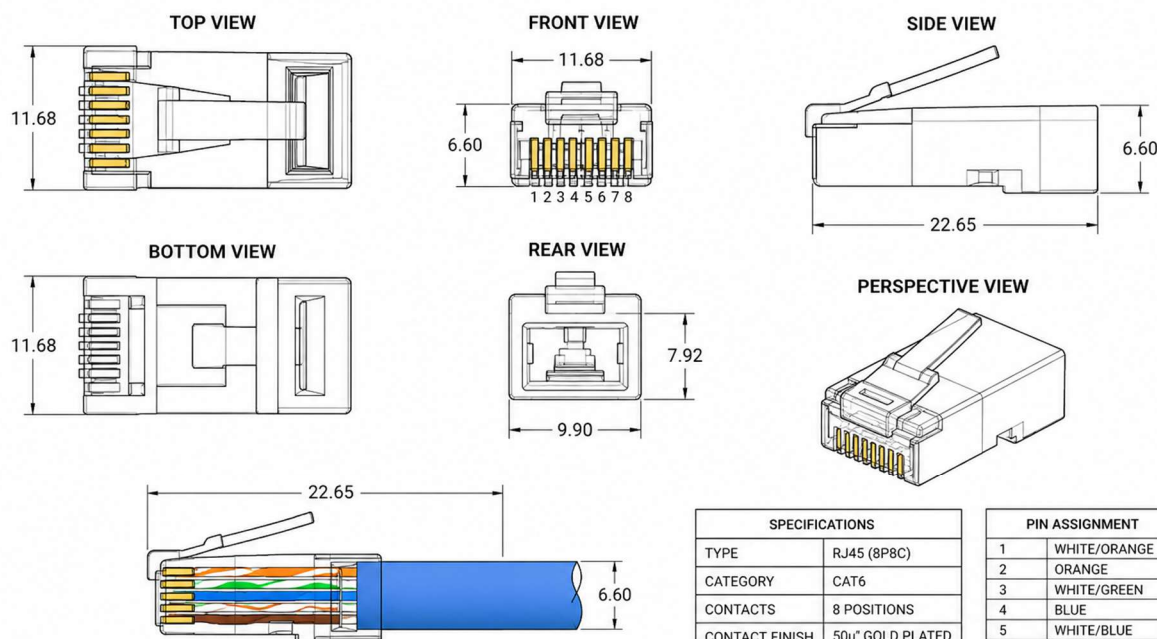
- CAT6 cable termination
- Network patch cord assembly
- Structured cabling installations
- Data, voice, and low-voltage network connections
- Use with compatible solid or stranded UTP conductors

PRODUCT SUMMARY

Property	Specification
Product Type	CAT6 RJ45 plug / modular connector
Category	CAT6
Connector Format	RJ45 / 8P8C
Contacts	50 micro-inch gold plated
Conductor Compatibility	Solid or stranded conductors
Wire Size	23 AWG
Cable Jacket OD	Under 8.0 mm
SKU	BC6-RJ45

CAT6 RJ45 CONNECTOR (8P8C)

DIMENSIONS IN MILLIMETERS



SPECIFICATIONS	
TYPE	RJ45 (8P8C)
CATEGORY	CAT6
CONTACTS	8 POSITIONS
CONTACT FINISH	50µ" GOLD PLATED (MIN)
MATERIAL	POLYCARBONATE (CLEAR)

PIN ASSIGNMENT	
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, 3-prong
Cable Compatibility	Conductor Type	Solid or stranded conductors
Cable Compatibility	Conductor Size	23 AWG; wire OD under 1.5 mm
Cable Compatibility	Cable Jacket OD	Under 8.0 mm

TECHNICAL DATA

Category	Property	Specification
Connector	Product Type	CAT6 RJ45 ends
Connector	Plug Configuration	RJ45 / 8P8C
Contacts	Contact Finish	50 micro-inch gold plated
Contacts	Contact Blade	Copper alloy, 3-prong
Housing	Material / Color	Transparent polycarbonate
Compatibility	Conductor Type	Solid and stranded conductors
Compatibility	Wire Gauge	23 AWG
Compatibility	Wire OD	Under 1.5 mm OD
Compatibility	Cable Jacket OD	Under 8.0 mm OD
Electrical	Insulation Resistance	100 mOhm
Electrical	Termination Resistance	20 mOhm maximum
Mechanical	Cable-To-Plug Tensile Strength	20 lb minimum
Mechanical	Durability	200 mating cycles

MECHANICAL PERFORMANCE		INSTALLATION NOTES
Property	Specification	- Use with compatible CAT6 cable and 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. - Compatible with solid and stranded conductors as specified.
Cable-to-plug tensile strength	20 lb minimum	
Durability	200 mating cycles	
Termination type	Crimp-on modular plug	
Housing	Transparent body	

ORDERING INFORMATION

SKU	Product Description
BC6-RJ45	Bellcom Technologies CAT6 RJ45 Ends / 8P8C Modular Plugs

Confirm packaging quantity, cable type, and project requirements at time of order.