

### DESCRIPTION

The barpa Category 6 STP (Screened Twisted Pair) jack belongs to the barpa 1G cabling system. This jack has unique and simple design done to be easy for termination because is toolless but always thinking about excellent electrical performance. Supports all applications up to 250Mhz.

### APPLICABLE STANDARDS

- IEC 60603-7-5; • IEC 60512-26-100; • ISO/IEC 11801 ed.2.2; • IEC 60512-99-001;
- IEC 60512-99-002; • IEC 60512-9-3; • EN50173-1; • ANSI/TIA-568-B.2-1;
- ANSI/TIA-568.2-D; • ANSI/TIA 1096-A.

### PoE

- IEEE 802.3bt PoE Type 1, 2, 3 and 4.



### FEATURES

Compatibility with CAT6 and lower classes
25 Years System Warranty
1 Gigabit Ethernet
Easy to be terminated, low attenuation loss and high return loss
Suitable for patch panel and faceplate mounting
Compatibility with barpa faceplates
Included Instruction Manual

### MECHANICAL AND PHYSICAL SPECIFICATIONS

Shield Material	Zinc Alloy
IDC Contact	Nickle Plated
RJ45 Contact	Phosphor bronze with 50µ" gold plate
Color	Silver
Cable Way Out (Orientation)	180°
Wiring	T568A/B
Number of IDC contacts	8
IDC Contacts - Solid Cable	Accept 22-26 AWG solid with a insulation diameter of 0,4-0,6 mm
Insertion Life	750 times plugging
Plug Inforce (N)	15
Cable OD (mm)	5,0 - 8,5
IDC Contacts Life	250 times terminating

## ELECTRICAL CHARACTERISTICS

Frequency Range (MHz)	1-250
Contact Resistance (mΩ Max)	200
Insulation Resistance (MΩ Min 500V DC)	500
Dielectric Strength (V RMS 60Hz/1min)	1000
Rated Current (A)	Maximum 1,5

## ENVIRONMENTAL CONDITIONS

Operating Temperature (°C)	-10 to 60
Storage Temperature (°C)	-40 to 70

## TECHNICAL PERFORMANCE

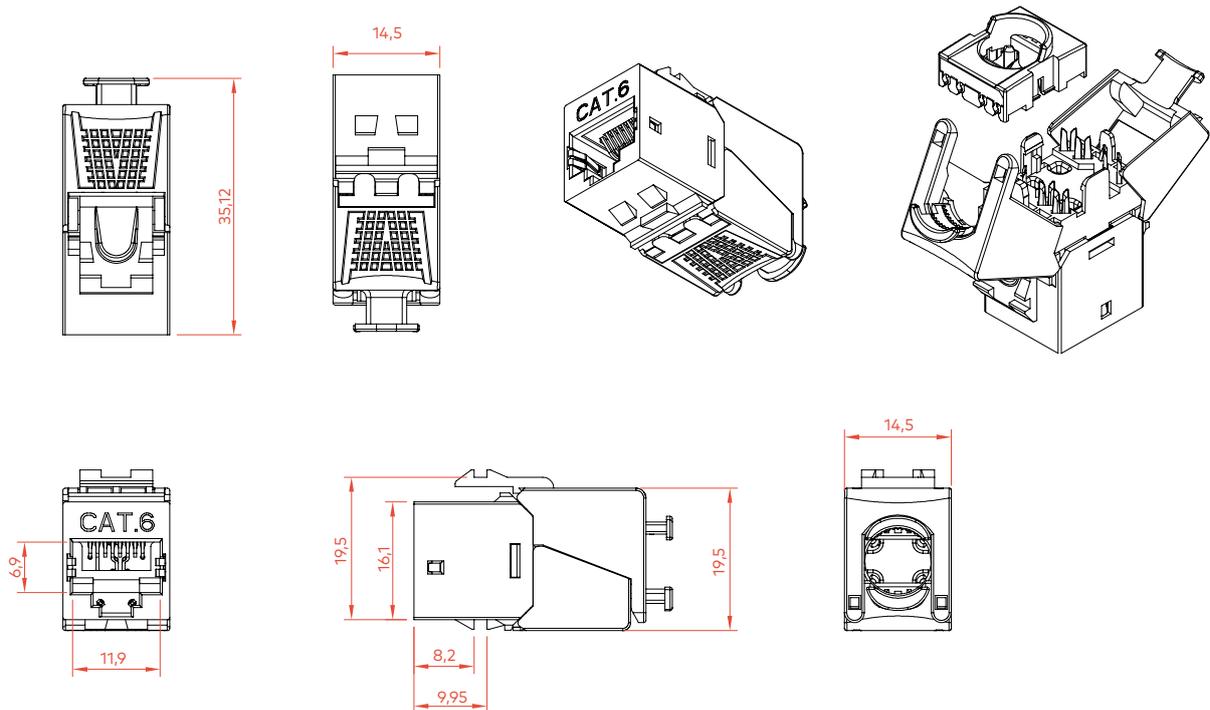
Frequency (MHz)	NEXT (GWC)	PS NEXT (GWC)	ACR (GWC)	RL (GWC)
1,00	0,40	83,10	77,30	24,80
4,00	0,80	73,70	70,70	38,90
8,00	1,10	73,30	67,50	35,50
10,00	1,20	68,30	64,30	29,90
16,00	1,60	63,70	60,50	31,40
20,00	1,80	68,50	61,60	28,50
25,00	2,00	67,30	59,90	29,00
31,25	2,20	65,20	58,40	33,20
62,50	3,20	53,00	49,40	29,20
100,00	4,10	52,90	48,10	25,30
200,00	5,90	43,30	44,00	20,10
250,00	6,80	43,20	40,40	14,80

GWC = Guaranteed Worst Case

## ORDER INFORMATION

Code	EAN	Description	Unit Weight (kg)	Inner Box			Outer Box		
				Quantity (un)	Dimensions (mm)	Weight (kg)	Quantity (un)	Dimensions (mm)	Weight (kg)
82242122180	5608445032027	Pack of 24 units	0,02	24	223x120x42	0,65	504	380x240x365	15,00
82242122180-1	5608445033444	Individually packed	0,02	12	223x120x42	0,34	252	380x240x365	7,64

## TECHNICAL DRAWING (mm)



## PACKAGING

This images are merely illustratives. We want you to see the importance we attach to the packaging. We always work with products and materials that are easy to use.



Box of 24 Units



Box of 12 Units - individually packed



As part of our goal to achieve quality excellence, our barpa System Warranty can give you 25 years products and solution assurance of compliance with the industry performance standard comparing with the class installed. This warranty applies to network infrastructure installations that was made by an approved barpa partner using an barpa solution (end-to-end). For more informations go to our website.