

### 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                                           |



## KEYSTONE JACK CAT.6 STP TOOLLESS

### 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

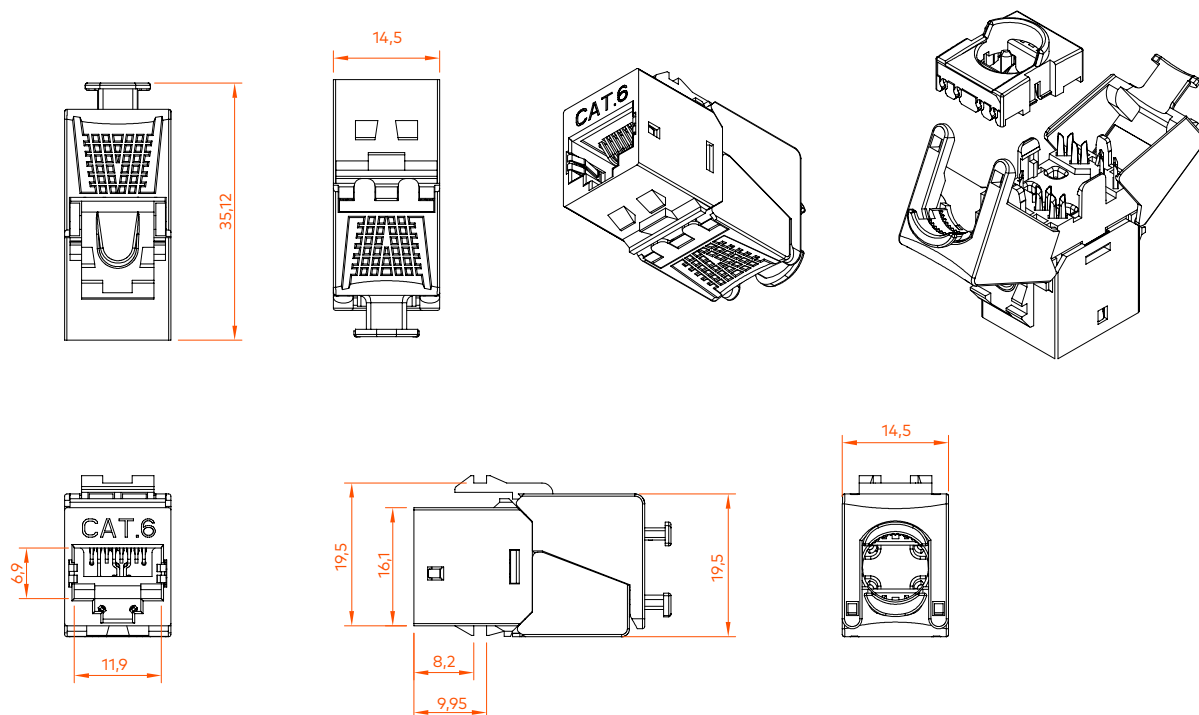
### ORDER INFORMATION

|               |               |                     |                  | Inner Box     |                 |             | Outer Box     |                 |             |
|---------------|---------------|---------------------|------------------|---------------|-----------------|-------------|---------------|-----------------|-------------|
| Code          | EAN           | Description         | Unit Weight (kg) | Quantity (un) | Dimensions (mm) | Weight (kg) | Quantity (un) | Dimensions (mm) | Weight (kg) |
| 82242122180   | 5608445032027 | Pack of 24 units    | 0,02             | 24            | 165 x 80 x 64   | 0,51        | 504           | 525 x 165 x 195 | 11,00       |
| 82242122180-1 | 5608445033444 | Individually packed | 0,02             | 12            | 165 x 80 x 64   | 0,30        | 252           | 525 x 165 x 195 | 7,00        |



## KEYSTONE JACK CAT.6 STP TOOLLESS

### 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.

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The pictures/drawings are merely illustrative.

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datasheet n° b128\_3 | date: 11/25  
approved by: Ana Barbosa