

OPENETICS

EZ shielded Cat. 6A RJ45 male connector, straight-through

RANGE

S.C.E Cat. 6A



Description

The EZ shielded Cat. 6A RJ45 male connector is used for crimping at the ends of twisted pair cable. Connector covers can also be added for a neat finish.

Applications

Supports all current LAN applications, including:

- 10 BaseT
- 100 BaseT4
- 100 BaseTX
- 1000 BaseT
- 10 G BaseT
- Broadband
- ISDN
- 100 Mbps Token Ring
- 4 and 16 Mbps Token Ring

Regulations

- ISO/IEC 11801
- ANSI/TIA/EIA 568-B2
- CENELEC EN50288-3, EN50173:2002, EN50167, EN50169

Benefits and Features

- Exceeds Cat. 6A requirements set by the standard.
- High protection against interference.
- Robust design and easy assembly.
- High level of quality.
- 50 μ inch gold-plated contacts.
- Easy and quick connection with specific RJ45 crimping tool.
- Allows connection of both T568-A and T568-B.

Technical Specifications

Date:

01-03-0-0-EN-V1.0 27/01/2026

Code No.:

Headquarters and Offices in Spain

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Technical Specifications

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Date: 27/01/2026
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General Specifications:

■ Formed by:	8 contacts
■ Cover material:	Fully shielded zinc-plated bronze
■ Contact material:	Bronze with 50 μ inches of gold over 100 μ inches of nickel
■ Operating temperature:	-40°C to 68°C
■ Conductor type:	Compatible with 23-26 AWG flexible cable
■ Color:	Metallic
■ Insulation resistance:	100 M Ω
■ Contact resistance:	≤ 20 m Ω
■ Connector force retention:	140 N
■ Durability:	750 cycles

Electrical Characteristics

Frequency (MHz)	LLC (dB)	ATT (dB/100)	NEXT (dB)	Next Power Sum (dB)
772 kHz	--	1.8	67.0	64.0
1 MHz	20.0	2.0	65.3	62.3
4MHz	23.0	4.1	56.3	53.3
8 MHz	24.0	5.8	51.8	48.8
10 MHz	25.0	6.5	50.3	47.3
16 MHz	25.0	8.2	47.3	44.3
20 MHz	25.0	9.3	45.8	42.8
25 MHz	24.2	10.4	44.3	41.3
31.25 MHz	23.3	11.7	42.9	39.9
62.5 MHz	20.7	17.0	38.4	35.4
100 MHz	19.1	22.0	35.3	32.3
200 MHz	18.0	29.2	40.8	37.8
250 MHz	17.3	33.0	39.3	36.3
500 MHz	15.6	48.1	34.8	31.8

Commercial Information

Ref.	Description	Connector type	Number of pins	Unit of packaging
0022	Cat. 6A RJ45 male connector EZ pass-through shielding	STP	8	100

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