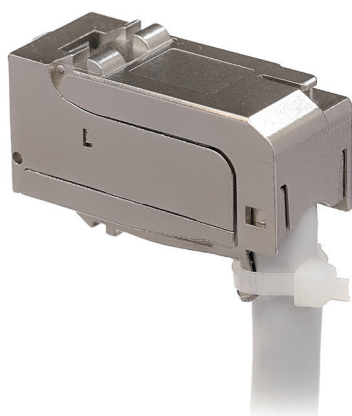


# Keystone Jack HD 90, Category 6<sub>A</sub>, RJ45/s

P/N: KEJ-C6A-S-HD 90

**10**  
Gigabit
**Cat.6<sub>A</sub>**  
interoperable
**500**  
MHz
**PoE**  
Type 4

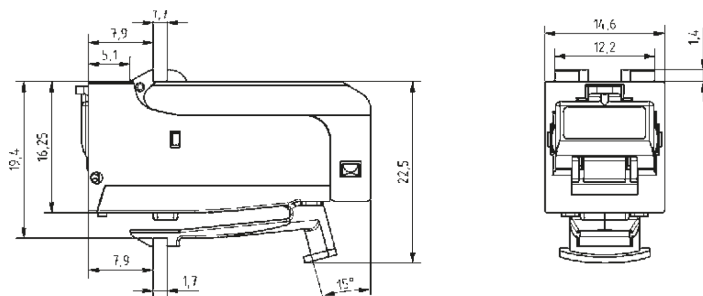


## features

- construction with vertical cable entry reduces the required installation depth of 5 mm more compared to KEJ-C6A-S-HD
- tool-free, fast and easy installation
- PoE Type 4 (100W) tested in GHMT laboratories
- enables transmission of all high-speed protocols including 10GBASE-T
- guarantees a bandwidth of 500 MHz
- perfectly shielded against Alien Crosstalk and electromagnetic interference
- dust-proof shutter
- nickel plated housing
- suitable for a wide range of outlets, duct and channel systems
- applicable on cables with solid wires (guarantees of anti-corrosive a gas-tight joint)
- applicable on cables with stranded wires by using a special plastic insert (guarantees of anti-corrosive a gas-tight joint)

## application

- primary (Campus), secondary (Riser), tertiary (Horizontal)
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
- IEEE 802.5 16 MB; ISDN; FDDI; ATM
- high bandwidth digital applications with low BER
- multimedia transmissions like digital and analog video and voice



## mechanical properties

Suitable for installing on	cables with solid wires	from 0,51 to 0,65mm (AWG 24 - AWG 22)
	cables with stranded wires (special plastic insert)	from AWG 27/7 to AWG 26/7
Required installation depth	10 - 30mm - sockets with angled faceplates	
	30mm - sockets with straight faceplates	
Insertion / extraction cycles	min. 750	
Temperature range	operation	-40°C to +70°C
IDC reterminations	min. 20	
Contact pin material	phosphor-bronze alloy coated with 50 μ of gold	
IDC contacts material	high strength phosphor-bronze alloy	
IDC contacts plating	100 micron tin alloy	

## electrical properties at 20°C

Current rating	1,25A max
Contact resistance of spring	20mΩ max
Contact resistance of IDC	2,5mΩ max

Dielectric strenght	1000Vac/ 1 minute C to C
	1500Vac/ 1 minute C to Panelu
Insulation resistance	500MΩ

### transmission properties at 20°C

f (MHz)	Attenuation (dB/100m)	NEXT (dB min)	PS-NEXT (dB min)	FEXT (dB min)	Return loss (dB min)	TCL (dB min)	PS-ANEXT (dB min)	PS-AFEXT (dB min)
1,0	0,1	75,0	72,0	75,0	30,0	40,0	72,0	72,0
4,0	0,1	75,0	72,0	71,1	30,0	40,0	72,0	72,0
10,0	0,1	74,0	70,0	63,1	30,0	40,0	72,0	72,0
16,0	0,1	69,9	65,9	59,0	30,0	40,0	72,0	72,0
20,0	0,1	68,0	64,0	57,1	30,0	40,0	72,0	72,0
31,2	0,1	64,1	60,1	53,2	30,0	38,1	72,0	72,0
62,5	0,16	58,1	54,1	47,2	30,0	32,1	72,0	71,1
100,0	0,2	54,0	50,0	43,1	28,0	28,0	70,5	67,0
155,0	0,24	50,2	46,2	39,3	25,0	25,0	66,7	63,2
200,0	0,28	48,0	44,0	37,1	22,0	22,0	64,5	61,0
250,0	0,32	46,0	42,0	35,1	20,0	20,0	62,5	59,0
300,0	0,35	43,7	39,7	33,6	18,5	18,5	61,0	57,5
400,0	0,4	39,9	35,9	31,1	16,0	16,0	58,5	55,0
500,0	0,45	37,0	33,0	29,1	14,0	14,0	56,5	53,0



This product is certified on a component level by GHMT international independent laboratories according to ISO/IEC 11801-1: 2017 (Ed. 1.0), IEC 60603-7-51:2010 (Ed. 1.0).