

# IDPLUG6S

Shielded RJ45 plug, suitable for crimping category 6 cables with thick solid wires.

**GENESIA**  
POWERED BY ID CABLES

**ID**  
CABLES



## BENEFITS

Shielded RJ45 plug suitable for rigid AWG23 cables allows for a direct connection of equipment

Diameter on insulation between 1.2mm < OD < 1.5mm

Nominal outer diameter of the cable of 7.50mm+/-0.25mm

Golden 50 micron contacts to provide the lowest resistivity and therefore the best connection performance

## PRODUCT INFORMATION

### APPLICATION

The shielded RJ45 connector IDPLUG6S, with 360° shielding, benefits from excellent electrical performance which ensures good NEXT and RETURN LOSS margins when used in Class E applications. The wiring comb allows for connection of the connector to rigid cables with large wire diameters. It is an essential accessory for direct connection linking.

- Ethernet base T up to 1 Gbit/s (5 Gbps with the use of suitable assets)
- VoIP & ISDN : - VoIP & ISDN
- IEEE 802.3 af/at : PoE, PoE+

### STANDARDS

CONNECTORS: IEC 60603-7  
SYSTEM: ISO/IEC 11801 Ed3.0 Class E

## ELECTRICAL PROPERTIES

**INSULATION RESISTANCE:**  
<1000mΩ @100V

**OPERATING VOLTAGE:**  
> 72V DC

**TENSION:**  
> 1000V DC from contact to contact  
> 1500V DC ground contact

**POWER CAPACITY:**  
> 30W

**INSERTION CYCLE:**  
> 750

**OPERATING TEMPERATURE:**  
-40°C to +70°C

## MECHANICAL / TECHNICAL PROPERTIES

**HARD WIRES:** AWG23

**MAXIMUM ISOLATION DIAMETER:** 1.5 mm

**MAXIMUM CABLE DIAMETER:** 7.5 mm

**CONTACTS :** PHOSPHORE BRONZE + AU 1.2 MICRON

**BODY:** Brass with nickel plating

## PERFORMANCES

CONNECTOR	SYSTEM
IEC 60603-7 CAT6	TIA 568-D.2 CAT6
FCC Part 68 subpart F	ISO 11801-1 Ed3.0 Classe E
TIA 570-B	EN 50173-1 Classe E
UL 18663	IEEE 802.3af, at (PoE / PoEP)

## 3D DRAWINGS

