Shielded RJ45 OmniMedia HD 1000MHz connector

abitana

ABI-CP2006S00 *Shielded RJ45 OmniMedia HD 1000MHz connector*

ABI-DC2006S00 *Shielded RJ45 OmniMedia HD 1000MHz connector for DIN-rail mount*

- ✓ *Universal RJ45 keystone shielded jack for TV, AV, Data, Phone, Music*
- ✓ *TV-over-Twisted Pair (TVoTP) 1006MHz broadband transmission*
- ✓ *HDbaseT HDMI Ultra-HD extenders*
- ✓ *10Gigabit Ethernet*
- ✓ *Quick & reliable assembly without IDC tool*
- ✓ *Outstanding RF shielding characteristics*
- ✓ *19" rack panels (straight cable entry)*
- ✓ *DIN-rail enclosures (straight cable entry)*
- ✓ *Wall outlets (90° cable entry)*

The OmniMedia HD RJ45 connector lies at the core of abitana's Smart Media universal home cabling network.

The OmniMedia technology is compatible with CableTV DVB-C and DVB-T standards, with HDMI and AV equipment from the major vendors, with 10 Gigabit Ethernet data signals and with all residential analog and digital telephony signals.

The design has been optimised in a system approach to work seamlessly with the new OmniMedia generation of HD 1000MHz cable and HD patch cords. This system approach gives you the added comfort of a system guarantee.

The standard keystone formfactor makes it compatible with a wide range of wall outlet faceplate brands (see brochure "Abitana Open Connectivity"). The cable can be introduced at a 90° angle for wall mounting in a back box with shallow depth.

The same keystone connector core is used in the DIN-rail mounted ABI-DC2006S00 which are often preferred over 19" racks in residential environments.

CHARACTERISTICS

Interfaces
- Front: RJ45 Shielded jack conform IEC60603-7
- Back: Opening for cable with max. OD 6,7mm (outer sheet removed)
- Screwdriver: PH2 (max shaft diameter 5mm)
- Keystone: Opening of 19,4mm high and 14,6mm wide (remark: compatibility has to be checked with faceplate assembly and other parts of the keystone adaptors, see brochure "Abitana Open Connectivity")

Materials Connector
- Front contacts: Tempered wire 50μ Au on 100μ Ni
- Clips/contact: Stainless steel
- Housing: Die-cast Zinc Alloy / Zamac 3
- Plastics: ABS high-impact UL94V-0
- Matings: Minimal 750 (FCC compliant plug)

Transmission Standards
- ISO/IEC 60603-7
- ISO/IEC 11801 (ClassE - Cat 6)
- ISO/IEC 15018
- EN 50173, structured cabling
- EN 50083-3
- EIA/TIA 568B

Safety
- UL Certified

Electrical
- Bandwith: 0-1000MHz
- Shielding attenuation: >75 dB Typ.
- Contact resistance: <20mΩ
- DC resistance: <0.1Ω
- DC current rating: 1,5A
- Insulation: >500MΩ/100VDC
- Operating temperature: -10°C to 60°C
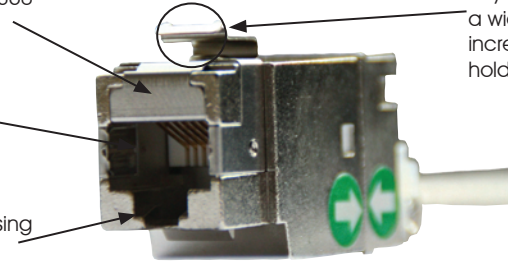- Storage temperature: -40°C to 68°C
- Humidity: 10%~90%RH

Dimensions/Weight
- ABI-CP2006S00: WxHxD (mm): 17,1 x 24,5 x 42,5, Weight: 30g
- ABI-DC2006S00: WxHxD (mm): 17,8 x 80 x 65, Weight: 51g

Specifications are subject to change without notice.

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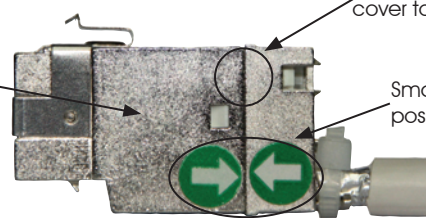Extra top screening contact to ensure 360° contact with the screen of the plug.

Keystone-clip guarantees compatibility with a wide range of face-plates. The metal claw increases the retention force of the body in the holder.

Double screening contacts on both sides of the plug gate.

Fully shielded Die-cast housing for RJ45 connectivity.

RF-tight overlap joint between body and rear cover to prevent EMI radiation.

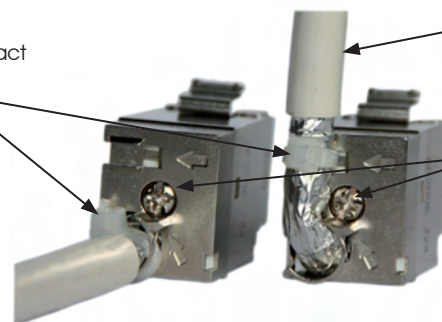Solid zamac housing for durability and shielding efficiency.

Smart alignment arrows to avoid wrong positioning of cover on body.

Tie-wraps ensure resilient 360° RF contact between cable shield and connector body.

90° cable entry.

Double function screw presses the wires in the IDC contacts and closes the RF cover onto the body.
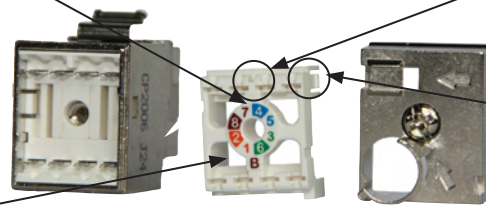
New highly visible color coding: only 568B convention to avoid mistakes.

Alignment finger and slot to avoid wrong organizer mounting.

Click mechanism to lock organizer in the rear cover during mounting, avoids wires breaking loose before mating of the IDC contacts.

Quad-cavity organizer simplifies wire dressing and provides more room for wire slack behind the organizer.

Side-Snap mechanism for stable and aesthetic alignment of the adaptors.

Cable-Clips for fast cable fixation.

Earthing-Clips for automatic connection of the link to the safety-earth connected DIN-rail.

Slot for insertion of number slide labels.

DIN-rail-Clips for fast fixation on 35mm DIN-rail.

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