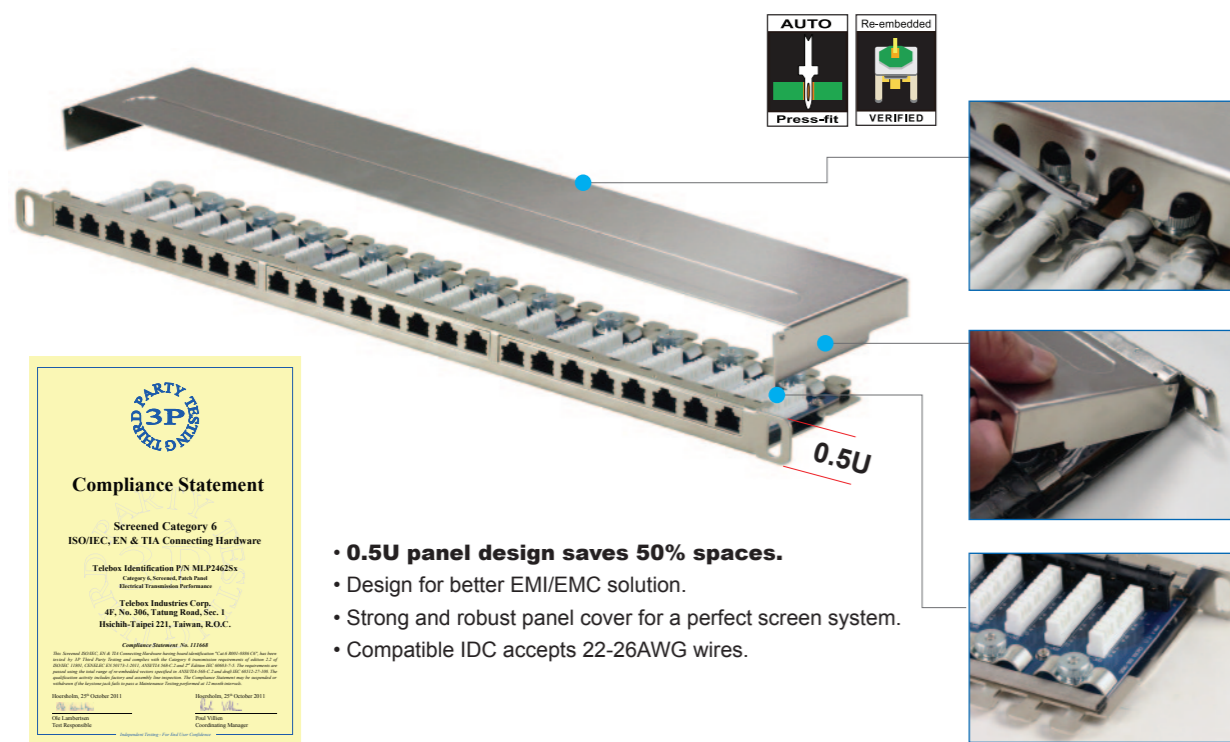


## Screened Patch Panel

» 0.5U Cat.6 Connecting Hardware 24P Patch Panel MLP2462SC  
 0.5U Class E<sub>A</sub> / Cat.6A 24P Patch Panel MLB246ASC (Auto press-fit)



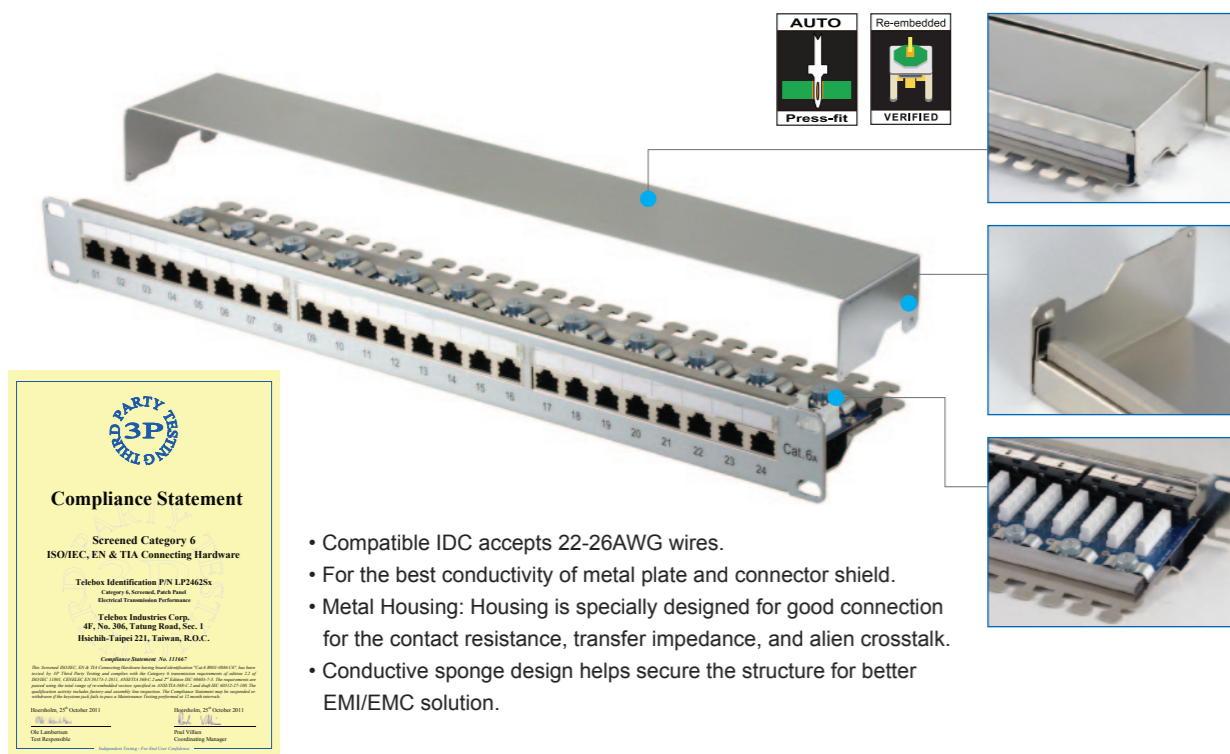
**AUTO Press-fit** **Re-embedded VERIFIED**

**0.5U**

**Compliance Statement**  
 Screened Category 6  
 ISO/IEC, EN & TIA Connecting Hardware  
 Telebox Identification P/N ML P2462SC  
 Category 6 Screened Patch Panel  
 Electrical Performance Performance  
 Telebox Industries Corp.  
 4F, No. 306, Tatung Road, Sec 1,  
 Hsichih-Taipei 221, Taiwan, R.O.C.  
 Compliance Reference No. 11247

- 0.5U panel design saves 50% spaces.
- Design for better EMI/EMC solution.
- Strong and robust panel cover for a perfect screen system.
- Compatible IDC accepts 22-26AWG wires.

» 1U Cat.6 Connecting Hardware 24P Patch Panel LP2462SC  
 1U Class E<sub>A</sub> / Cat.6A 24P Patch Panel LB246ASC (Auto press-fit)



**AUTO Press-fit** **Re-embedded VERIFIED**

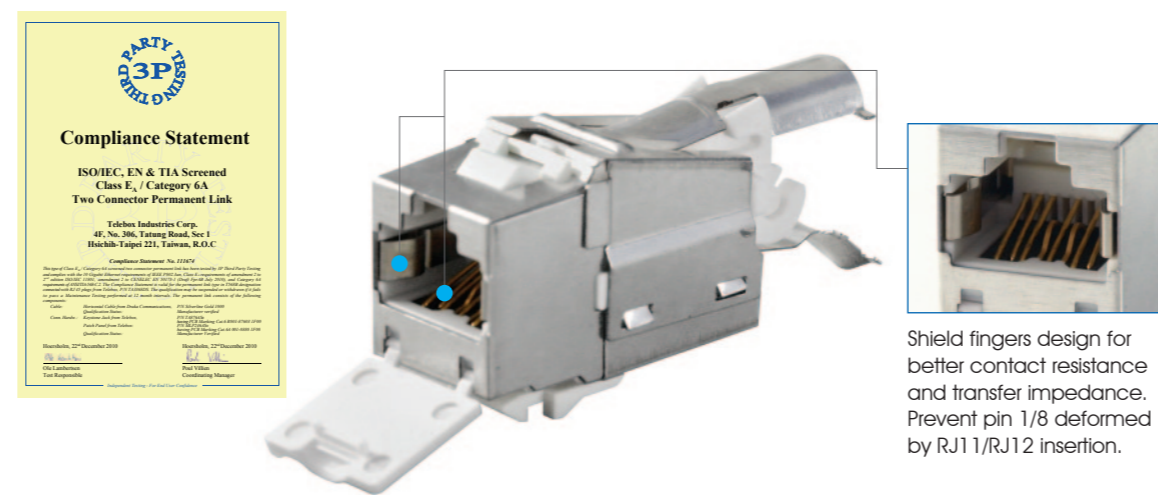
**Cat.6A**

**Compliance Statement**  
 Screened Category 6  
 ISO/IEC, EN & TIA Connecting Hardware  
 Telebox Identification P/N LP2462SC  
 Category 6 Screened Patch Panel  
 Electrical Performance Performance  
 Telebox Industries Corp.  
 4F, No. 306, Tatung Road, Sec 1,  
 Hsichih-Taipei 221, Taiwan, R.O.C.  
 Compliance Reference No. 11247

- Compatible IDC accepts 22-26AWG wires.
- For the best conductivity of metal plate and connector shield.
- Metal Housing: Housing is specially designed for good connection for the contact resistance, transfer impedance, and alien crosstalk.
- Conductive sponge design helps secure the structure for better EMI/EMC solution.

## 90° Screened Keystone Jack

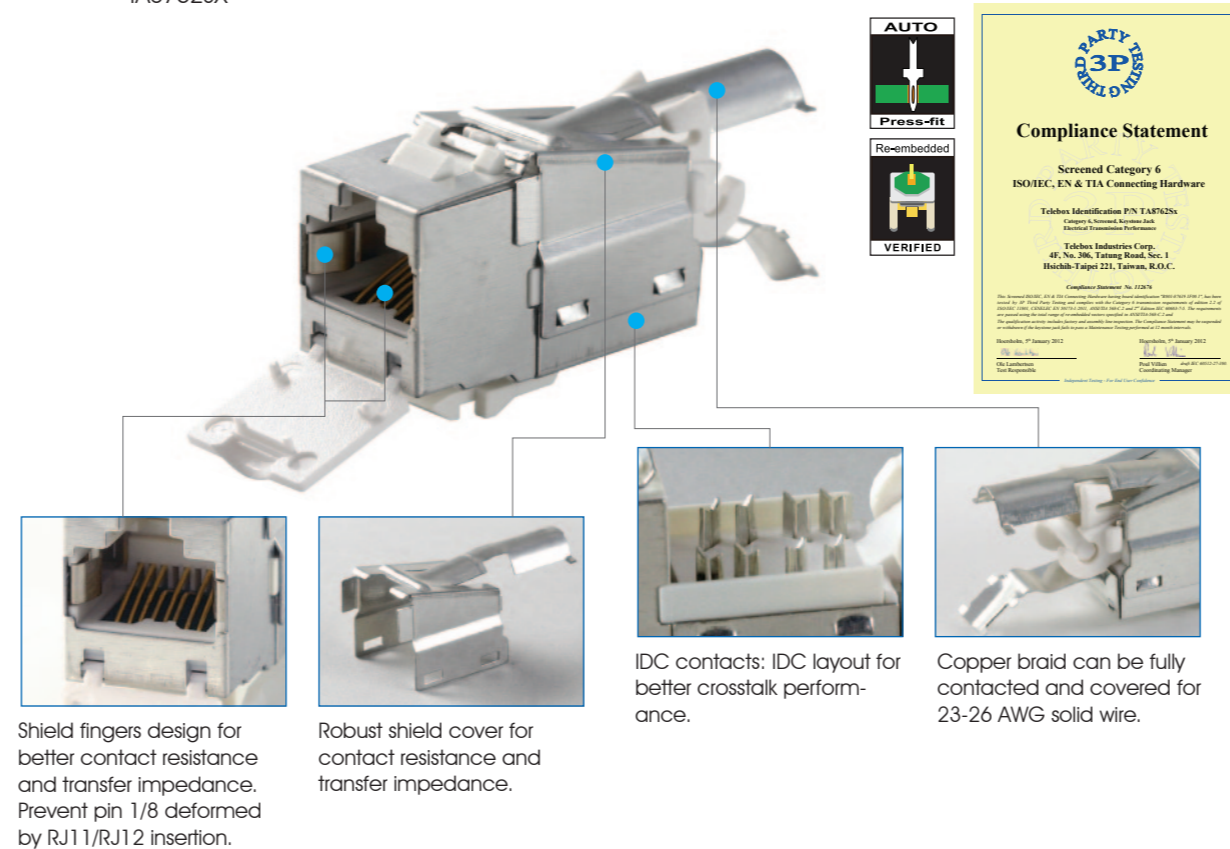
» Class E<sub>A</sub> / Cat.6A Keystone Jack (door optional)  
 TA876BSX



**Compliance Statement**  
 ISO/IEC, EN & TIA Screened  
 Class E<sub>A</sub> / Category 6A  
 Two Connector Permanent Link  
 Telebox Industries Corp.  
 4F, No. 306, Tatung Road, Sec 1,  
 Hsichih-Taipei 221, Taiwan, R.O.C.  
 Compliance Reference No. 11247

Shield fingers design for better contact resistance and transfer impedance. Prevent pin 1/8 deformed by RJ11/RJ12 insertion.

» Cat.6 Connecting Hardware Keystone Jack (door optional)  
 TA8762SX



**AUTO Press-fit** **Re-embedded VERIFIED**

**Compliance Statement**  
 Screened Category 6  
 ISO/IEC, EN & TIA Connecting Hardware  
 Telebox Identification P/N TA8762SX  
 Category 6 Screened Patch Panel  
 Electrical Performance Performance  
 Telebox Industries Corp.  
 4F, No. 306, Tatung Road, Sec 1,  
 Hsichih-Taipei 221, Taiwan, R.O.C.  
 Compliance Reference No. 11247

Shield fingers design for better contact resistance and transfer impedance. Prevent pin 1/8 deformed by RJ11/RJ12 insertion.

Robust shield cover for contact resistance and transfer impedance.

IDC contacts: IDC layout for better crosstalk performance.

Copper braid can be fully contacted and covered for 23-26 AWG solid wire.

# Class E<sub>A</sub> Cat.6A Press-fit Technology



**Telebox** **Telebox Industries Corp.**  
 浩暘工業股份有限公司  
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 http://www.telebox.com  
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Press-fit Technology

Class E<sub>A</sub> / Cat.6A



# Screened Coupler

## Class E<sub>A</sub> / Cat.6A Screened Coupler

TA196BSS



Taiwan Patent No.: M430058  
U.S. Patent (Pending)



### Test parameters

#### Requirement according to Fluke DTX

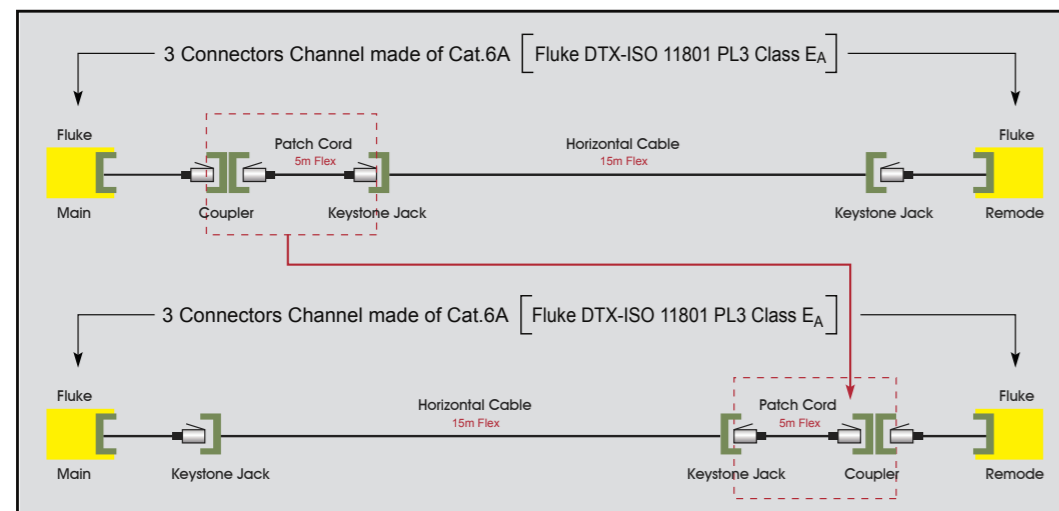
- ✓ ISO11801 PL2 Class E<sub>A</sub>
- ✓ ISO11801 Channel Class E<sub>A</sub>
- ✓ ISO11801 Channel Class E<sub>A</sub> Low IL
- ✓ ISO11801 PL3 Class E<sub>A</sub>

- ✓ Qualified Class E<sub>A</sub> / Cat.6A (500MHz)
- ✓ Permanent Link of ANSI/TIA-568-C.2
- ✓ IEC 60603-7-51
- ✓ ISO/IEC 11801 AMD 2, Class E<sub>A</sub>
- ✓ CENELEC EN 50173-1
- ✓ L30mm x W16.8mm x H16.1mm

**Configuration :** 3 Connectors Permanent Link made of 15m Cat.6A S/FTP solid cable, 5m patch cable & coupler.

Margin to the limit:

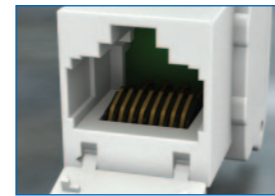
Permanent Link	Coupler	Length [m]	NEXT [dB]	RL [dB]	Coupler [No]	Pass/Fail
3 Connectors PL_5m at main side	Best side	5+15	1.5	5.6	S1 / S2	Pass
	Worst side		1.2	5.6	S1 / S2	Pass
3 Connectors PL_5m at remote side	Best side	15+5	1.2	5.2	S1 / S2	Pass
	Worst side		1.0	5.2	S1 / S2	Pass



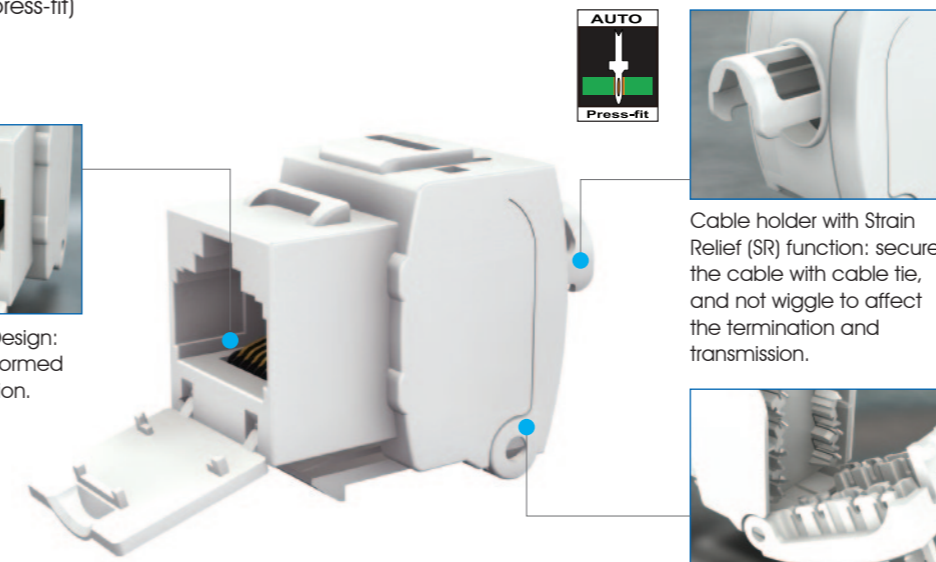
# 180° Keystone Jack

## Class E<sub>A</sub> / Cat.6A UTP Keystone Jack (door optional)

TB916AUD (Auto press-fit)



Patented Support Design: prevent pin 1/8 deformed by RJ11/RJ12 insertion.



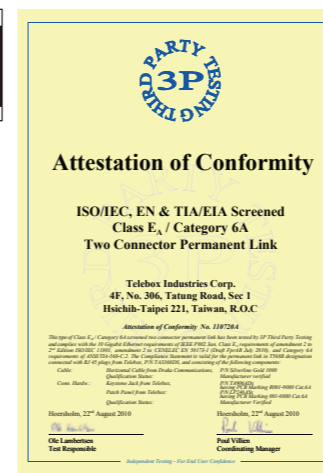
Cable holder with Strain Relief (SR) function: secure the cable with cable tie, and not wiggle to affect the termination and transmission.



IDC Contacts: IDC makes a better contact resistance and transmission.

## Class E<sub>A</sub> / Cat.6A Die-Cast Keystone Jack (door optional)

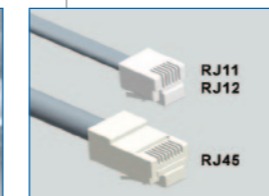
TA906ADE / TB906ADD (Auto press-fit)



Cable holder with 360° Braiding Cover: provide better EMC, contact resistance and transmission.



Metal contact: shield fingers for a better contact resistance and transmission.



Patented Support Design: prevent pin 1/8 deformed by RJ11/RJ12 insertion.



IDC contacts: IDC layout for better crosstalk performance.

# 180° Keystone Jack

## Automatically Pressing contacts and IDC into a plated-through hole in the PCB.

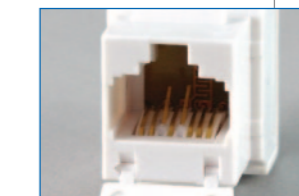
### Advantages of Press-fit Connectors:

- Stable and reliable form of the contact
- Time-saving production
- Cost effective, no manual soldering
- Environmentally friendly
- Reduced inspection process



## Class E<sub>A</sub> / Cat.6A UTP Keystone Jack (door optional)

TB806AUE / TB806AUD (Auto press-fit)



Patented Support Design: prevent pin 1/8 deformed by RJ11/RJ12 insertion.



IDC terminate conductor makes a better contact resistance and transmission.



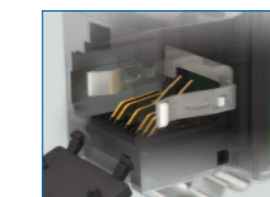
Cap: easy to separate and change pair sequence and not tangle the wires.



Cable holder with Strain Relief (SR) function: secure the cable with cable tie, and not wiggle to affect the termination and transmission.

## Class E<sub>A</sub> / Cat.6A Die-Cast Keystone Jack (door optional)

TA806ASE / TB806ASD (Auto press-fit)



Patented Support Design: prevent pin 1/8 deformed by RJ11/RJ12 insertion.



For individual protective grounding



IDC layout for better crosstalk performance.

Class E<sub>A</sub> / Cat.6A

Evolution / Press-fit Technology