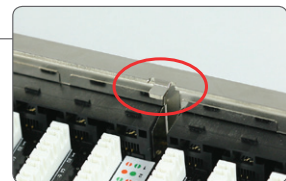
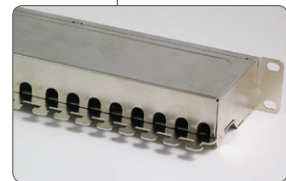
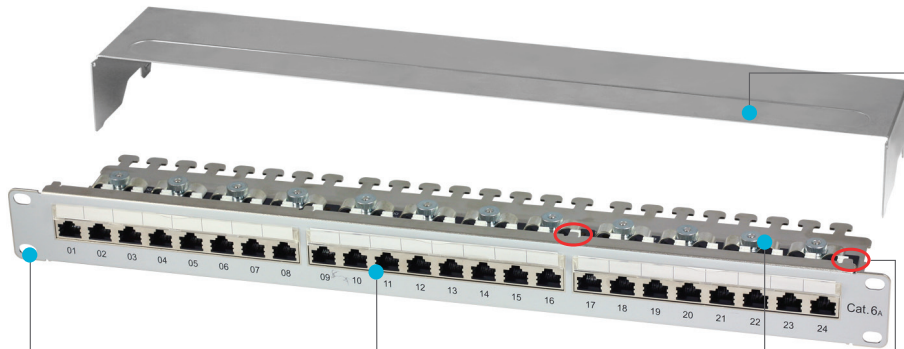
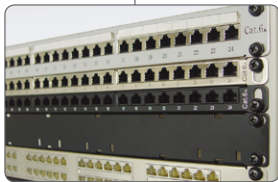


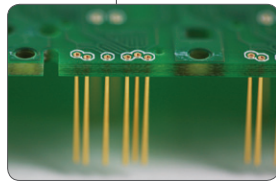
LA246ASTX Class E_A / Cat.6A 24P Patch Panel (Auto press-fit)



Metal cover and hinge design for better EMI/EMC.



The mounting hold dimensions comply with IEC 60297-3-100 standard.

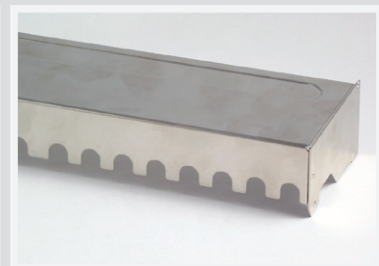


Press-fit process. 100% RoHS compliant, without soldering.

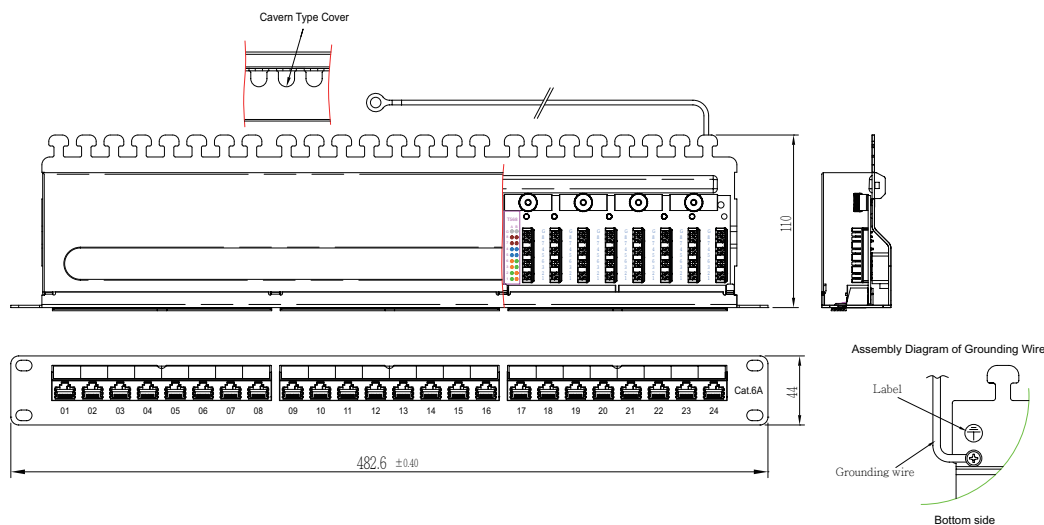


Raised metal tray improves better contact resistance and transfer impedance.

- 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.
- Cavern type design helps secure the structure for better EMI/EMC solution.



Specification



Specification:

Qualified Screened Class EA / Category 6A

Permanent Link/Channel of ANSI/TIA-568-C.2

IEC60603-7-51

ISO/IEC11801 2.2 Edition

CENELEC EN 50173-1:2011

Electrical:

Current Rating: 1.5 Amps

Insulation Resistance: 500 MΩ Minimum

Contact Resistance: 10 mΩ Maximum

DC Resistance: 0.1 Ω Maximum

Shield Transfer Impedance @ 100 MHz 2000 mΩ Max.

Mechanical:

Plug Insertion Life: 750 Cycles Minimum

Plug & Jack Contact Force: 100 Grams Minimum

Using FCC-Approved Plug

Plug Retention Force: 30 lbs Minimum

Temperature: -40° to 150°F (-40° to 68°C)

Physicals:

Frame : 1.5t SPCC, nickel plating

Shield : 0.25mm thickness copper alloy plated with tin

Plastic : High impact flame retardant plastic,

PCB: FR4, 1.6mm Thickness

Jack Wire: Ø0.46mm phosphor bronze gold over nickel plating

Connector: Insulation displacement connector (IDC) Accept AWG 22-26 solid wire

Covershielded: 1.0t SPCC, nickel plating

LA	XX	XX	X	T	X
	24 : 24 ports	58 : Cat.5e 68 : Cat.6 6A : Cat.6A	S : Shielded	Dual Type IDC	A:T568A B:T568B X:T568A/B

Class E_A / Cat.6A

Standard	Configuration	Cat.6A or Class E _A (500MHz)
ISO/IEC 11801 AMD 2	Channel	Class E _A
	Permanent Link	Class E _A
CENELEC EN50173-1	Channel	Class E _A
	Permanent Link	Class E _A
EIA/TIA 568-C.2	Channel	Cat.6A
	Permanent Link	Cat.6A

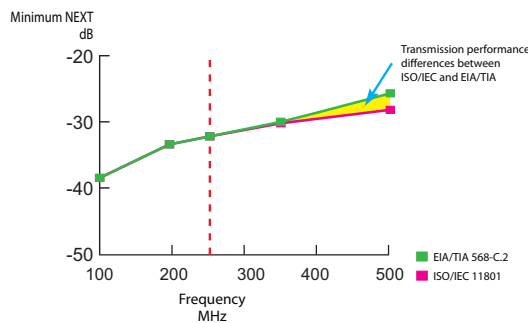
<<Comparison Chart I>>

For the regional US American cabling standard EIA/TIA 568-C.2, see <<Comparison Chart I>>, it describes channels and permanent links as "Cat. 6A."

For the international cabling standard ISO/IEC 11801 and the European cabling standard EN 50173-1, both standards configurations like channels and permanent links are called "Class E_A".

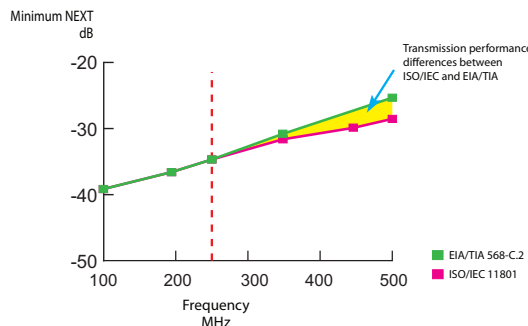
When you compare EIA/TIA with ISO/IEC or EN, they are not only naming differently, but also transmission performance requirements show significant variations, see below comparison charts.

ISO/IEC 11801 v.s. EIA/TIA568-C.2 Channel NEXT Limits



Frequency MHz	ISO/IEC 11801	EIA/TIA 568-C.2
1.0	65.0	65.0
16.0	53.2	53.2
100.0	39.9	39.9
200.0	34.8	34.8
250.0	33.1	33.1
350.0	30.6	30.3
500.0	27.9	26.1

ISO/IEC 11801 v.s. EIA/TIA568-C.2 Permanent Link NEXT Limits



Frequency MHz	ISO/IEC 11801	EIA/TIA 568-C.2
1.0	65.0	65.0
16.0	54.6	54.6
100.0	41.8	41.8
200.0	36.9	36.9
250.0	35.3	35.3
350.0	32.6	31.8
450.0	30.2	
500.0	27.8	26.7

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

