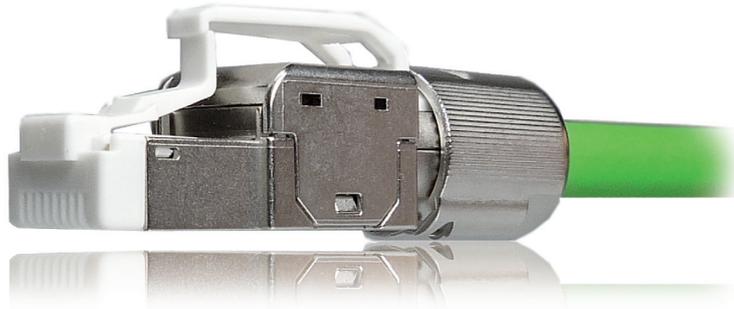


## CAT6<sub>A</sub> TOOL-FREE FIELD ASSEMBLY PLUG

Our new product member within the enhanced Y-Con RJ45 series is called Y-Con PROFIXPLUG.

One of Yamaichi's goals during the development was to create a 10G Base-T RJ45 connector which is easy to handle and fulfills the stringent CAT6<sub>A</sub> ISO/IEC 11801 standard.



### SERIES Y-Con PROFIXPLUG-6\*

#### ADVANTAGES

Our new Y-Con PROFIXPLUG is a tool-free and robust IP20 field assembly plug offering features which are unique on the market.

The dimensions of the Y-Con PROFIXPLUG are the smallest of all available plugs. Furthermore it fits into every RJ45 multiport jack. One of the main features is the power transmission of up to 3.1A over the special power contacts while being fully compatible with the standard RJ45 connections.

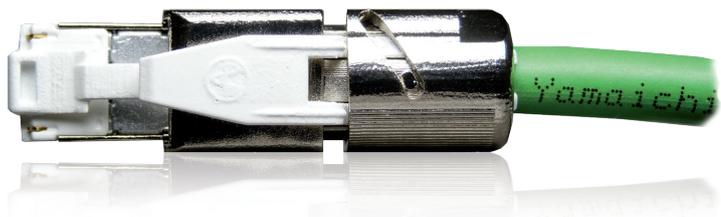
Yamaichi Electronics offers the plug with optional power contacts. The assembly of the plug is easy and does not require any special tools.

Regarding the cable dimensions our Y-Con PROFIXPLUG supports different outer cable dimensions as well as different wire types. The connector is designed in such a way that it can be reused up to 5 times with different AWGs and diverse types such as solid and stranded wires.

All these and many more features make the Y-Con PROFIXPLUG a reliable connector in all industrial areas.

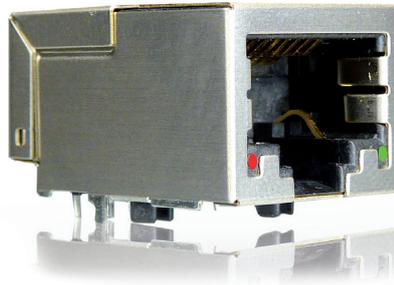
#### CHARACTERISTICS

- CAT6<sub>A</sub> acc. ISO/IEC 11801 standard
- Wire connection: IDC contacts
- Current rating: 3.1A @70°
- Durability: 1,500 mating cycles
- AWG 22-27 solid wire
- AWG 24-27 stranded wire
- Optional power contacts
- Reusable up to 5 times
- Tool-free assembly
- Supporting outer cable dimensions from 6.8mm up to 9.25mm



# INDUSTRIAL CAT6<sub>A</sub> JACK

A further highlight of our Y-Con series is the Y-Con JACK-6\*. This new CAT6<sub>A</sub> jack enhances the Y-Con RJ45 product range of Yamaichi Electronics.



## SERIES Y-Con JACK-6\*

### ADVANTAGES

The new Y-Con JACK-6\* fulfills 10G Base-T according to the IEEE802.3 standard and reaches the stringent CAT6<sub>A</sub> ISO/IEC 11801 standard. Furthermore, our jack is the first CAT6<sub>A</sub> tab-down jack on the market which is able to reach the 500Mhz transmission speed from the CAT6<sub>A</sub> specification.

The jack is designed in such a way that it fits perfectly together with our new Y-Con PROFIXPLUG-6\*. The jack also fits together with all other RJ45 plugs available on the market.

As an optional feature Yamaichi Electronics offers two light pipes and also two separate power contacts which are able to transmit up to 3.1A at 70°C. Compared to the CAT5 jacks we increased the power transmission capability of more than 45%.

These are only some of the features which we can offer for the new Y-Con JACK-6\*.

With this new Y-Con JACK-6\* your industrial systems are prepared for the future.

### CHARACTERISTICS

- CAT6<sub>A</sub> acc. to ISO/IEC 11801 standard
- Reflow able max. 260°C / 10 sec
- Current rating: 3.1A at 70°C
- Tab-down version
- Durability: 1,500 mating cycles
- Optional power contacts
- Optional light pipes

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#### YAMAICHI ELECTRONICS

Deutschland GmbH  
Concor Park  
Bahnhofstraße 20  
85609 Aschheim-Dornach  
Germany

Phone +49 (0)89 45109-0  
Fax +49 (0)89 45109-110  
E-Mail [info@yamaichi.de](mailto:info@yamaichi.de)  
Web [www.yamaichi.eu](http://www.yamaichi.eu)

#### YAMAICHI ELECTRONICS

Italia s.r.l.  
Centro Direzionale Colleoni  
Via Colleoni, 1  
Palazzo Taurus Ing. 1  
20864 Agrate Brianza (MB)  
Italy

Phone +39 039 6881-185  
Fax +39 039 6892-150  
E-Mail [sales@yamaichi.it](mailto:sales@yamaichi.it)  
Web [www.yamaichi.eu](http://www.yamaichi.eu)

#### YAMAICHI ELECTRONICS

GB Ltd.  
6 The Clockhouse  
Stratton Park  
Micheldever  
Hampshire SO21 3DP  
Great Britain

Phone +44 (0)7808 493377  
Fax +44 (0)1962 774902  
E-Mail [sales@yamaichi.co.uk](mailto:sales@yamaichi.co.uk)  
Web [www.yamaichi.eu](http://www.yamaichi.eu)