

New connector for 10 Gigabit Data Transmission

New plug Y-ConRJ45 for industrial environment

Munich, August 2019 – The new Y-ConPlug CAT6_A is a 10Gbit RJ45 cable connector which widens up the range of the Yamaichi plug series for Gigabit and can be used with all of the Y-Con components.

The CAT6_A RJ45 connector supports 10 Gigabit data transmission according to the ISO/IEC 11801 standard. The development was necessary due to higher data transmission demands in the industrial area. Gigabit Ethernet is required by more and more applications.

The RJ45 cable connector is designed with integrated cable guide, EMC shielding made of nickel-plated brass and a rectangular cable crimp that prevents cable rotation. The tested life is more than 1,000 mating cycles and the operating temperatures range from -40°C to +120°C for extreme operating conditions in the field or the plant.

Within the Y-ConRJ45 series, the described component can additionally be protected against external mechanical environmental influences according to the protection classes IP69K, IP68, IP67 and IP20. Reliable protective covers made of high-grade materials such as PBT or zinc die-cast are part of the series. This gives the customer the flexibility to choose the right component for different applications.

Like all Yamaichi products, it is also RoHS compliant.

Characteristics

- CAT6A acc. ISO/IEC 11801 standard
- Contact area: 30µ" Au
- Wire connection: piercing contacts
- Durability: 1,500 mating cycles
- AWG 24-26
- Square crimp over cable shield

About Yamaichi Electronics

Yamaichi Electronics is a market leader for Test & Burn-In sockets, connectors and connection systems. Their reliability and functional dependability are absolutely essential for the success of the overall project. Yamaichi Electronics established themselves on the world market very quickly as a manufacturer of high-quality, reliable components for demanding applications in various markets and applications: semiconductor, industrial automation, automotive, data networking, measurement & testing, medical, mobile computing, embedded computing, and others.

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