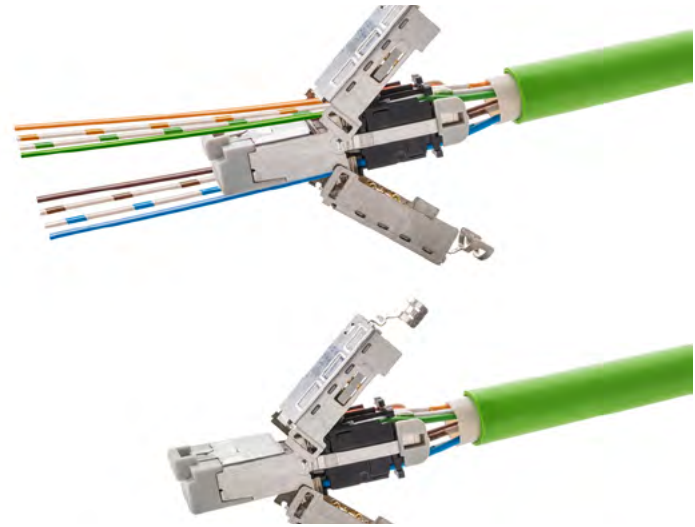# INDUSTRIAL IP20 RJ45 CAT. 6A PLUG

- **Help promote error-free installation with integrated wire cut-off function**
- **Save installation time with a single piece common core Cat. 6A plug design featuring tool-less termination**

TE Connectivity's (TE) latest Industrial IP20 RJ45 Cat. 6A plug was designed using "common core" technology, a platform technology used in the entire industrial RJ45 product family. This new plug extends the family of field installable Cat. 5e common core designs with a connector that can be terminated without the need for tools, to Cat. 6A cables in the field. This solution includes an automatic wire cutoff function, which helps provide error-free installation and optimal performance in the field. Upon closing the core housing, the excess wire is cut off at the same time the wires are connected to the plug contacts. This TE solution can handle 10 Gbps data rates, supporting bandwidths of up to 500MHz.

BENEFITS
- Help promote error-free installation and optimal performance with integrated wire cut-off function
- Help save installation time with a single piece common core Cat. 6A plug design featuring tool-less termination
- Support up to 10 Gbps data rates and bandwidths of up to 500MHz
- Help ensure flexibility designed for either solid and stranded wires sized from AWG 26 to AWG 22
- Help achieve reliable operation in temperatures ranging from -40°C to +85°C

MECHANICAL
- Wire diameters supported: from AWG 26 to AWG 22
- Span supported: from 0.88 to 1.5 mm
- Range of cable diameters supported from 4.8mm to 8.0 mm
- Operating temperature: -40°C to +85°C
- Degree of protection: IP65/IP67
- Mating cycles supported: 750 minimum
- Plug can be reapplied to the same size cable up to 3 times

STANDARDS & SPECIFICATIONS
- Compliant to IEC 60603-7-51

APPLICATIONS
- Control cabinets
- Motor/motor controls
- Machinery
- Robotics
- Industrial cable installations

ELECTRICAL
- RJ45 Cat6A (10 Gbps, 500 MHz)

MATERIAL
- Common core: thermoplastic (UL94 V0) / copper alloy
- Housing: thermoplastic (UL94 V0)
- Housing latch: stainless steel

LEARN MORE
Industrial RJ45 CAT6a Plug Landing Page
Industrial RJ45 CAT6a Plug Flyer
Industrial Communications Solutions Guide
Industrial Communications Quick Reference Guide
Parts List