



SPE T1 INDUSTRIAL CONNECTORS IP20

Instead of transmitting Ethernet over two pairs (for Fast Ethernet (100Mb/s)) or four pairs (for Gigabit Ethernet), Single Pair Ethernet (SPE) specifies Ethernet transmission over only one pair of copper wires.

PoDL (Power over Data Line) enables powering the remote device via the same pair of wires.

BENEFITS

- Small diameter, more flexible and less heavy cables enable the application to move faster and use less energy
- Small connector formfactor allows miniaturization in next generation applications
- Easy and quick cable connector assembly reduces installation cost
- Reflow solderable SPE board connector supports latest Industrial assembly processes
- Cable connector uses high reliable crimp contacts, reducing downtime

KEY FEATURE

- One twisted pair cable
- Up to 1 Gb/s communication
- IEC63171-6 standardized Interface

SPE T1 Industrial connectors IP20

APPLICATIONS

- Sensors
- Actuators
- Switches
- Machinery
- Robotics

ELECTRICAL

- 360° shielding
- PoDL support
- Operational voltage 60 V DC
- Dielectric withstanding voltage
Contact-contact 1kV DC
- Dielectric withstanding voltage
Contact-shield 1.5kV AC RMS

MECHANICAL

- THR solder (board) and crimp contact (cable)
- Operating temperature range: -40° C - +85° C
- Conductor cross section: AWG 26-22
- Wire outer diameter: 4.5 - 5.5 mm

MATERIALS

- **Cable connector:**
 - **Housing, Nut, Insulation body:** PA, black
 - **Shielding:** Stainless steel
- **PCB connector**

STANDARDS

- IEC 63171-6
- UL1977

PART NUMBER LIST

Part Number	Part Description
2364150-1	SPE T1 Industrial Cable Plug IP20
2364151-1	SPE T1 Industrial RA Board Connector Female IP20
2368258-1	SPE T1 Male Crimp Contact AWG 26
2368258-2	SPE T1 Male Crimp Contact AWG 22
2368260-1	SPE T1 Manual Crimp tool AWG 28 to 26
2368261-1	SPE T1 Manual Crimp tool AWG 24 to 22

te.com

© 2022 TE Connectivity. All Rights Reserved.

TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

04/22 AK