



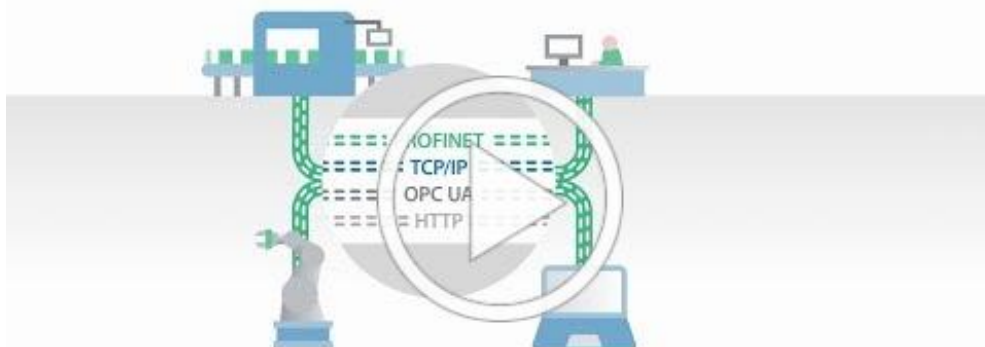
PROFIBUS / PROFINET International Southern Africa (PISA) aim to be the custodians of the PROFIBUS and PROFINET technologies for the African Continent. PISA is made up of multiple partner companies that have joined together with the aim to promote PROFIBUS and PROFINET and give users a single access point for support, training, design, solutions and products relating to these technologies. To find out more or on how to become a member, visit www.profiafrica.com



PROFINET meets TSN

Real time communication is fully achievable with PROFINET based on TSN (Time Sensitive Networking).

Interested in finding out more about TSN and how it integrates into the PROFINET framework? Check out the below video, describing how real-time communication is possible on standard Ethernet and how this fulfills the requirements of Industrie 4.0.



PCC Profi-Tip: Cable Separation requirements

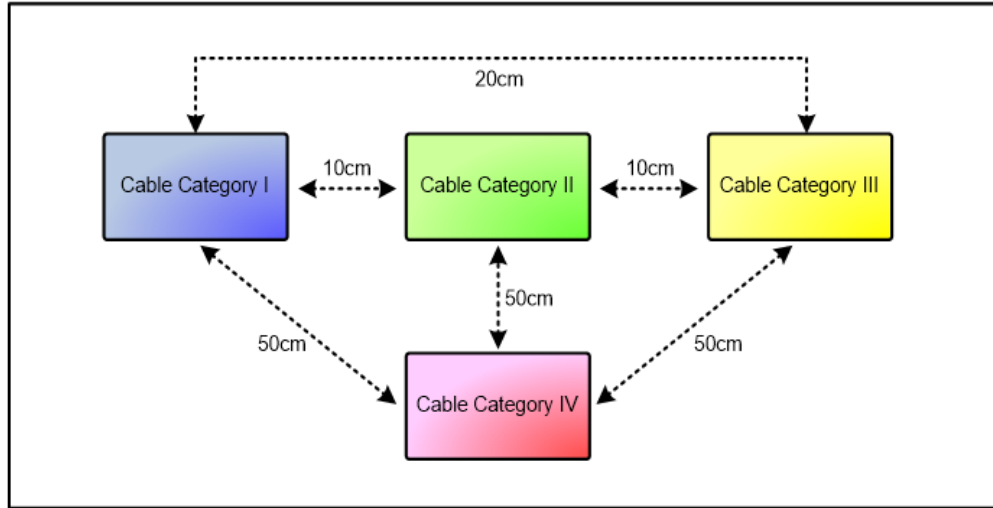
Separating your PROFIBUS & PROFINET Cable from power supply cables is a vital step in all installations.

The guidelines specifies that your network cable should be separated by the following categories:

- CAT 1 (PROIBUS & PROFINET cable, IE, signal and control cable)
- CAT 2 (25VAC - 400VAC & 60VDC - 400VDC) min 10cm from CAT 1
- CAT 3 (> 400 V ACDC) min 20cm from CAT 1
- CAT 4 (Risk of lightning strike) min 50cm from CAT 1, 2 & 3

Training and using certified Profibus/Profinet Installers can help prevent faults before commissioning. For onsite support, callouts and audits **contact**

pcc@idx.co.za



Industrial IoT - SIMATIC IOT 2000

The intelligent gateway for industrial IoT solutions

As part of Industry 4.0, networking of production and office IT continues to expand. Production data is collected and evaluated in the cloud to optimize production.

Networking of existing plants is a major challenge in this

regard, because the machines from different manufacturers and on different technological levels often do not speak the same data language. The solution is often time-consuming and complex retrofitting in these situations.

An intelligent gateway that harmonizes communication between the various data sources, analyses it and forwards it to the corresponding recipients, is a solution that can be easily implemented in these scenarios. It can be used to implement production concepts even for existing plants that are prepared to face the future.



SIMATIC IOT2040 from the SIMATIC IOT2000 product series at a glance

- Energy-saving Intel Quark processor and numerous interfaces: Intel Quark x1020 (+Secure Boot), 1 GB RAM, 2 Ethernet ports, 2 x RS232/485 interfaces, battery-backed RTC
- Yocto Linux Support
- Can be easily expanded with Arduino shields and miniPCIe cards
- Various options for programming in high-level languages
- Compact design and DIN rail mounting
- Proven SIMATIC quality offers great ruggedness, reliability and longevity

[IOC2040 Flyer Download](#)

Contact Siemens South Africa for more information

+27 11 652 2000

<http://www.siemens.co.za/>



Certified Training

What costs more? Sending someone on training, or having someone working on your network that doesn't have the right know-how? Various internationally certified Profibus and Profinet courses are available to suit your specific training requirement.

[More on certified training >](#)

Join, participate and stay in-the-loop with PISA

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- Get involved in guiding and supporting the uptake of Profibus and Profinet in Southern Africa
- Attend meetings of PISA and learn about the latest Profibus and Profinet developments
- Get access to the downloads section of profibus.com for the latest tools, software, specification and other documents.
- Network with other device manufacturers and end users
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- Telephonic and email support on Profibus and Profinet issues
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- Receive discounts on Certified Profibus and Profinet training

To join, simply send an email request to southernafrica@profibus.com and we will guide you through the registration process. Alternatively visit www.profiafrica.com We look forward to hearing from you!

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