

## PreCONNECT® smartNET - smart networking

# Modern, cost-efficient network that grows with your business

The network solution that offers the greatest level of flexibility is PreCONNECT® smartNET, a further development of PreCONNECT® flexNET. Alongside the high level of flexibility in the spatial layout of the workplaces, the cabling system also offers the possibility of flexibly scaling the bandwidth and individually assigning data rates on a department or process-specific basis within the building. To sum up, PreCONNECT® smartNET is a network solution that adapts to existing building, IT and process structures and grows with your enterprise.

In addition, the cabling system excels through its outstanding economic efficiency. The smart concept and the use of office distributors (OD) bring future-proof fiber optic technology closer to the end user and tertiary copper cable lengths are kept to a minimum wherever possible, thereby reducing costs.

Other advantages: When used for tertiary copper cable paths of less than 30 metres, the cabling system is 40G-ready. What is more, this network solution is optimized for the forward-looking Power over Ethernet applications (PoE) that are increasingly gaining ground in the working world. In this way, PreCONNECT® smartNET ensures a high level of investment security.

### The benefits at a glance

- ✓ High level of flexibility in the spatial layout of workplaces, in the scaling of bandwidths and in the department or process-specific assignment of data rates.
- ✓ Optimized adaptability of the network solution during integration in existing building, IT and process structures.
- ✓ Great savings potential in the tertiary infrastructure thanks to the smart architecture.
- ✓ Optimized for Power over Ethernet applications (PoE).
- ✓ 40G-ready when tertiary copper cable paths of less than 30 metres are employed.

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## Our portfolio

Innovative Ethernet with passive optical fiber consolidation points and office distributors

## The benefits to you

- Flexible bandwidth scaling
- Department or process-specific assignment of data rates
- High level of flexibility in the spatial layout of workplaces
- To a very great extent, local retrofitting activities, including extensions, can be performed without disrupting operations
- Optimized for Power over Ethernet applications due to shorter tertiary copper cable paths
- 40G-ready when tertiary copper cable paths of less than 30 metres are employed
- Reduction of fire loads and cable ducting possible thanks to the smart architecture
- 25 – 75% reduction in the tertiary copper cabling thanks to the use of optical fiber cables

Passive optical fiber consolidation point

- Flexible optical fiber connection of the office distributors
- Possibility of implementing Fiber-To-The-Office (FTTO) structures
- Possibility of combining conventional structured network cabling (PreCONNECT® isoNET) and FTTO structures
- Simple integration of the system in existing building, IT and process structures

Cables preassembled single- and double-sided

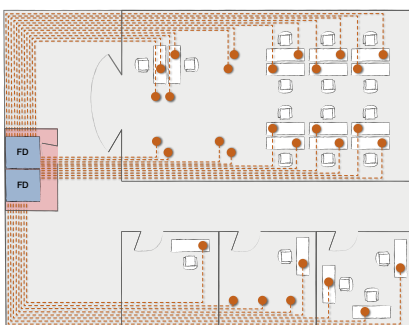
- Time savings of up to 50% during installation

Service provision from experts:  
Planning, production, installation and commissioning of the network solution from a single supplier

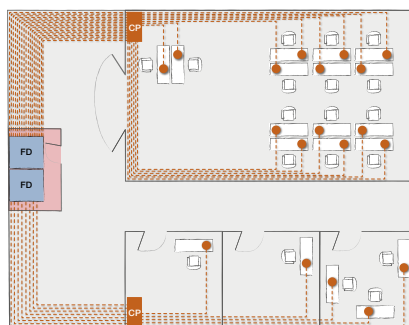
- Reduced coordination effort
- Consistent project planning

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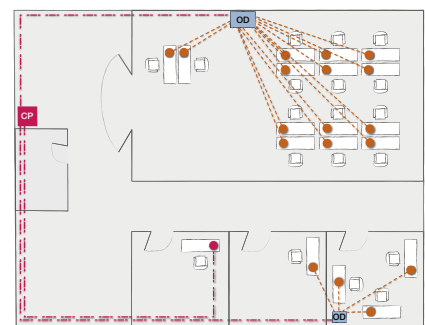
PreCONNECT® isoNET



PreCONNECT® flexNET



PreCONNECT® smartNET



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