

**Fiber access routing components
for flexibility, mass capacity and easy access**

Nexans, worldwide leader in cables and cabling systems

As a global expert in cables and cabling systems, Nexans brings an extensive range of advanced copper and optical fiber solutions to three key sectors of the economy: **infrastructure, industry and buildings.**

Its cables and systems can be found in every area of people's lives, from rolling stock and railway infrastructure to telecommunications and energy networks, aeronautics, aerospace, automobiles,

petrochemicals, windmills, medical applications, etc.

The presence of Nexans in over 65 countries gives it a full mastery of both national and international standards. Its 10 Competence Centers and International Research Center work closely with customers to constantly improve its standard range of products and technologies and to develop customized, country and industry-specific solutions.



Fiber access routing technology to assure your infrastructure growth

The efficiency of any train system is dependent on an infrastructure which provides reliable energy for rolling stock, and data and telecommunications for train management and control. Whether for a tramway, subway or high-speed train, operators are anxious to streamline costs, future-proof their systems, upgrade customer services, and assure a high level of public safety.

Nexans produces a wide range of energy and telecommunication cables and components specifically adapted to the various rail environments, many with enhanced fire-performance characteristics. We also give expert advice about network architecture and evolving standards,

and can provide customized engineering, installation and maintenance worldwide.

Only a few years ago, installers spliced fiber at interconnect nodes and then left them to their fate. Today, you are demanding that fibers be reconfigurable according to the changing dynamics of the LAN/WAN network or backbone link. You also want the freedom to make new splices without interrupting or endangering transmission. And you expect full network transparency, high fiber count in a reduced volume, and a user-friendly design.

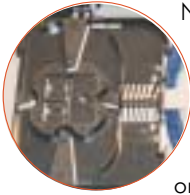
To help you achieve this, Nexans offers flexible and compact **fiber access routing components**.



**Fiber access routing
components**

for fiber routing optimization

Fiber access routing technology: flexible solutions to meet the dynamics of your market



Nexans fiber access routing technology integrates many functions that are normally found in separate products. It can handle single circuits or mass splices. There are up to 12 fiber splices per tray and 12 trays per module (up to 144 maximum depending on the type of splice). The modules themselves are stackable. Each module integrates both fiber fan-out and fiber management devices. The only fibers spliced are those that need to be routed, leaving the others uncut within the interconnection.

This Nexans solution gives you:

- **Easy integration** since it fits into several connection systems developed by Nexans or others
- **Compactness** and a high fiber count in a reduced volume

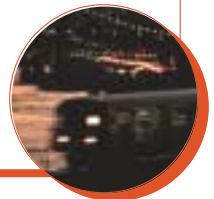
- **Direct access** to individual fibers or pairs without affecting other trays or modules
- **Optimum fiber bend** for safety, and easy access to individual fibers
- **Versatility** since a single product can be used for several configurations, including stride (unspliced) and mid-span (spliced) fiber connections
- **Routing flexibility** since you can configure your network at the very last minute, or re-access for modifications
- **Mass capacity and logistical flexibility** since modules can be stacked on each other
- **Fast, neat, efficient, aesthetic fiber management**, much appreciated by installers
- **Visibility** with all fibers easy to identify
- **Cost savings**, since there is no need to re-tube fibers or stockpile spare parts





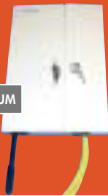

Nexans provides new National Optical Network for Italian Railways to RFI (Rete Ferroviaria Italiana)

Nexans is delivering integrated solutions, consisting of three new optical cable types and several components homologated by

Rete Ferroviaria Italiana, the Italian Railways' infrastructure owner. The new optical network will be both underground and aerial and will provide the Railways with internal communications and GSM-R traffic. Specially-designed cables and components will meet bullet-proof requirements for part of the initial 1,100 km of the project. These Nexans solutions will be installed by Alpitel (the awarded installer for that project).



Fiber access routing components

Product family	Product family names	Standards / Specs
<p>Splice closures with single circuit management</p>  <p>LINX WTC2</p>	<p>Splice closure for underground/aerial applications with single circuit fibre management (Fiberart modules)</p> <p>WTC1/WTC2</p> <p>DCSM2/DCSM3</p> <p>DCST2/DCST3</p> <p>DCSM1-OPGW/DCST2-OPGW</p> <p>WTC1-OPGW/WTC2-OPGW</p>	<ul style="list-style-type: none"> • Telcordia (Bellcore) GR771-Core/ FT C6932 • Telcordia (Bellcore) GR771-Core • Telcordia (Bellcore) GR771-Core
<p>Indoor wallmount cabinet with single circuit management</p>  <p>CROS PLUS 1</p>	<p>Wallmount splice cabinet for indoor application with single circuit fibre management (Fiberart modules)</p> <p>CROS PLUS 1</p> <p>CROS PLUS 2</p>	<ul style="list-style-type: none"> • N/A • N/A
<p>Outdoor wallmount cabinet with single circuit management</p>  <p>CROS PREMIUM</p>	<p>Wallmount splice cabinet for outdoor application with single circuit fibre management (Fiberart modules)</p> <p>CROS</p> <p>19" splice and distribution cabinet 42 HU with single circuit fibre management (Fiberart modules)</p> <p>Opteasy</p>	<ul style="list-style-type: none"> • N/A
<p>ODF</p>  <p>Opteatar</p>	<p>Factory mounted 19" patch panels with pre-terminated cable</p> <p>KB112</p> <p>Opteatar</p> <p>Toptel Modules</p>	<ul style="list-style-type: none"> • NF ETS 300 019-1-3 / CEI 68-2-32 / AFNOR NF T 30-038 / Telcordia B4 (optional)



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