



Optical Distribution Frames and Closures for flexibility, mechanical protection and modularity

\mathcal{N} exans, 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.



Optical Distribution Frames and Closures 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.

Optical Distribution Frames (ODFs) and closures or enclosures (US) are vital parts of any optical network since they must reliably protect optical fibers and provide branch-end jointing, while at the same time making it possible re-enter and make needed changes as the system evolves. As a railway operator, you especially want to house uncut cables through midspan techniques, while comfortably managing spliced cables.

To help you achieve this, Nexans offers well-protected and adaptable **Optical Distribution Frames and Closures.**



ODFs and Closures used in exchange nodes along the line or at access points

Optical Distribution Frames and Closures: mechanical protection, plus ease of modification

Nexans manufactures
both indoor ODFs and
rugged outdoor closures.
Our ODFs can be
a wall-mount, rack or
cabinet which provide easy

fiber access. Patchcords can be plugged between them and the optical transmission equipment, or to another ODF (up to 50 meters away). They all assure high density of connectors, and flexibility, while assuring that each and every fiber is fully protected. Closures come in a variety of models, both shell-shaped and dome shaped, the former used in largely underground L.I.N.X installations for railways, and the latter for aerial mounting. They offer watertightness, robustness and fire-performance.

This Nexans solution gives you:

- Flexibility by allowing you to use different types of fibers and connectors, and different standards: fiber-to-fiber, or fiber-to-pigtail
- High mechanical protection of the fiber, respect of fiber bending radius and integrity
- Adaptability to all circumstances: big, small units, wall mounts, indoor ODFs, and outdoor closures, pole mounts, etc.
- Versatility and modularity through a wide range of configurations for ODF systems and installations
- Room for expansion and scalability when the installer is unaware of the future evolution of the network
- Ergonomics for easy installation; quick and user-friendly
- Aesthetic appeal for ODFs, with neutral beige coloring and discreet design



Nexans helps design and specify new ODFs for central offices

For years now, Nexans has been providing first-generation optical distribution frames to the national train infrastructure throughout France.

Recently, the SNCF and Cegetel's
Telecom Development subsidiary
invited Nexans to develop a new
ODF for Competitive Local Exchange
Carrier activities. The result,
Opteastar, offers optimized modularity,
full compatibility with inter-frame
patching, easy interconnection,
cross-connection and high
connection densities
for multiple network
topologies, making it
ideal for central offices.

Optical Distribution Frames

	Product families	Product family names	Standards / Specs
·	Wallmount distribution	Secured optical splicing and patching unit	
	frames	CROS	
The second	No. of the last	Secured optical splicing and patching unit	
1		CROS Opteasy	
	CROS Opteasy cabinet	Wall Mount Patching box	
		MDB	
	19" distribution frames	ODFs for 19" cabinets up to 42 HU	
		Opteastar	Bellcore CAT 4 (para-seismic version)
		ODFs for 19" cabinets 9, 15 and 42 HU	
	19" cabinet 42U	Opteasy	

Optical Cable Splicing enclosures

Product families	Product family names	Standards / Specs
Splice closures with loose tube	Splice closure for underground application with splice cassettes	
management (splice cassettes)	WTC1/WTC2 DCSM2/DCSM3 DCST1/2/3	• Telcordia GR771 FT FT CSE 69-32
	Splice closures for aerial applications with loose tube management (splice cassettes)	
	WTC1/WTC2 DCSM2/DCSM3 DCST1/2/3	• Telcordia GR771 FT FT CSE 69-32
DCST2/3	Splice closures for aerial armoured applications (bullet-proof cables)	
	DCSM2/OPGW DCST2/OPGW	
	Splice closures for OPGW cables	
	WTC1/2-OPGW DCSM2-OPGW DCST2-OPGW	
DCS OPGW	Fire-resistant splice closures	
	DCS-FP	
4	Splice closure for underground application with splice cassettes	
	T/TS/TSG	• Banverket
Aerial, cabinet or pole mount	Outdoor renforced FO cabinets	
optical splicing closures	Klima	
Times I	Splice closure for underground application with splice cassettes	
ADW cabinet	T/TS/TSG	• Utilities



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www.nexans.com

www.nexans.com/e-service

marcom.info@nexans.com

Nexans S.A. - 16, rue de Monceau - 75008 Paris - France Tel.: +33 (0)1 56 69 84 00 - Fax: +33 (0)1 56 69 84 84