



DATA CENTER
POWER

Electrify your future Data Center

Turning power architecture and tech solutions
into **performance drivers**

REKA
by **Nexans**

Nexans
ELECTRIFY THE FUTURE

Build more sustainable data centers with Reka by Nexans and Nexans' integrated offering

In Europe, data center growth is no longer limited by demand, but by energy availability, regulatory complexity and social acceptance. Electrification has become the main differentiator between projects that scale, and projects that stall.

Cables and their accessories are the backbone of reliable, performing and safe electrification. Seen yesterday as a simple commodity, chosen mainly for their cost, they now become a strategic asset. In data centers, cables, accessories, and related services make the difference, and are essential to ensure continuity, security, and performance.

Reka by Nexans provides local service and locally produced cables designed for demanding conditions. Local offering is complemented by Nexans Group's expertise and broad product portfolio, enabling comprehensive solutions that meet the key needs of data centers: efficient installation, network reliability, and environmental responsibility.

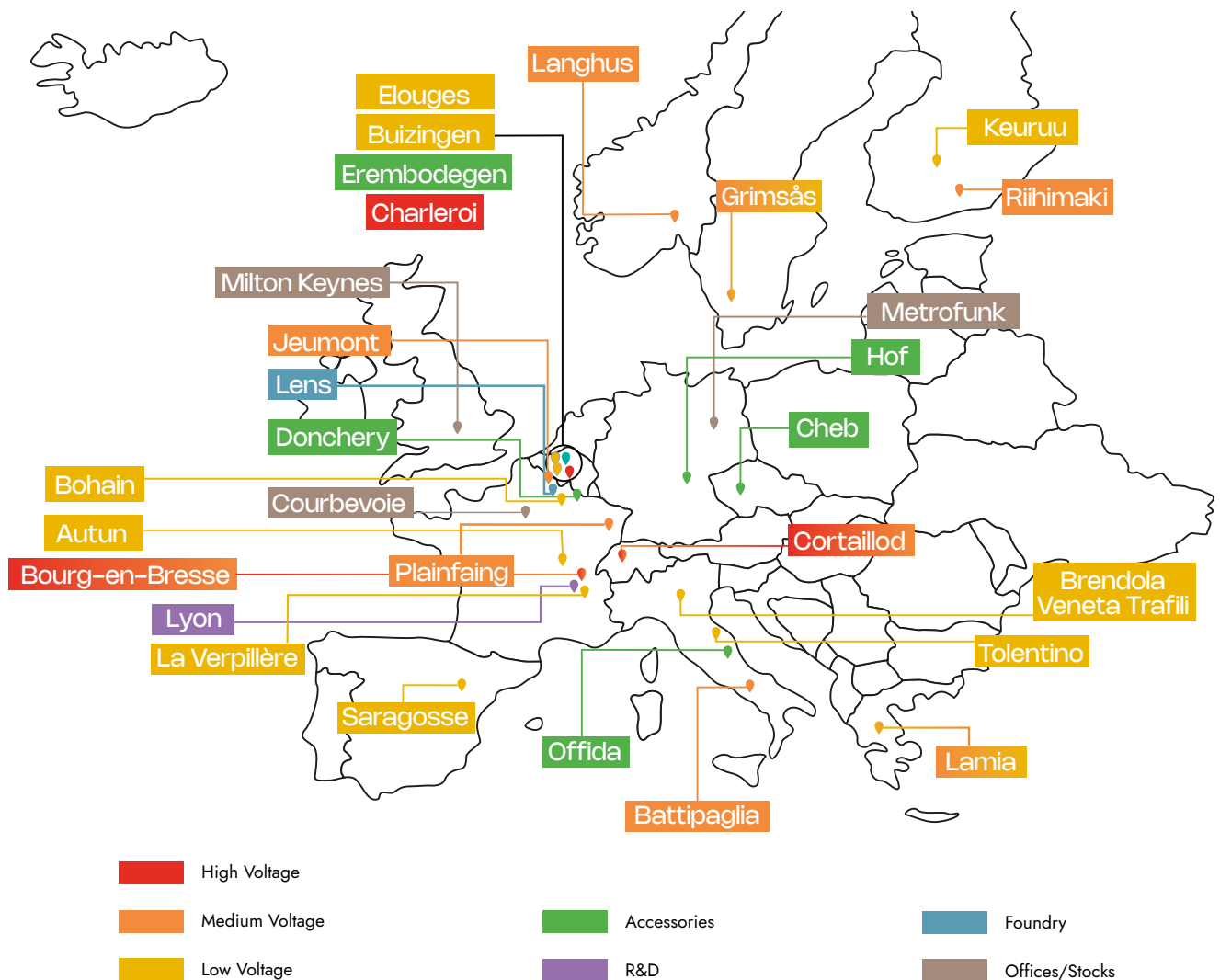
The combination of local expertise and the strengths of an international group and its teams of specialists guide you through every stage of the project: from design to installation, including cabling system management.

**Together, we electrify
your future data center!**



Worldwide presence with a big focus on Europe

Reka by Nexans complements this network by manufacturing cables locally in Finland for data center projects.





Why trust us to build your future-ready data infrastructure

Our certifications

Nexans is committed to manufacturing cables and accessories that meet the highest recognized standards:

ecovadis

Score of
77/100
for 2025

Score of

78/100

Reflecting strong performance
in sustainability and responsible
practices

ISO 9001:2015 - Quality Management:

Our unique model drives excellence by optimizing the 3 key dimensions: Environment, Economy and Engagement, to deliver maximum value and positive impact for our employees, our customers, partners and suppliers.

ISO 45001:2018 - Occupational Health and Safety:

Ensures a safe and healthy working environment for employees

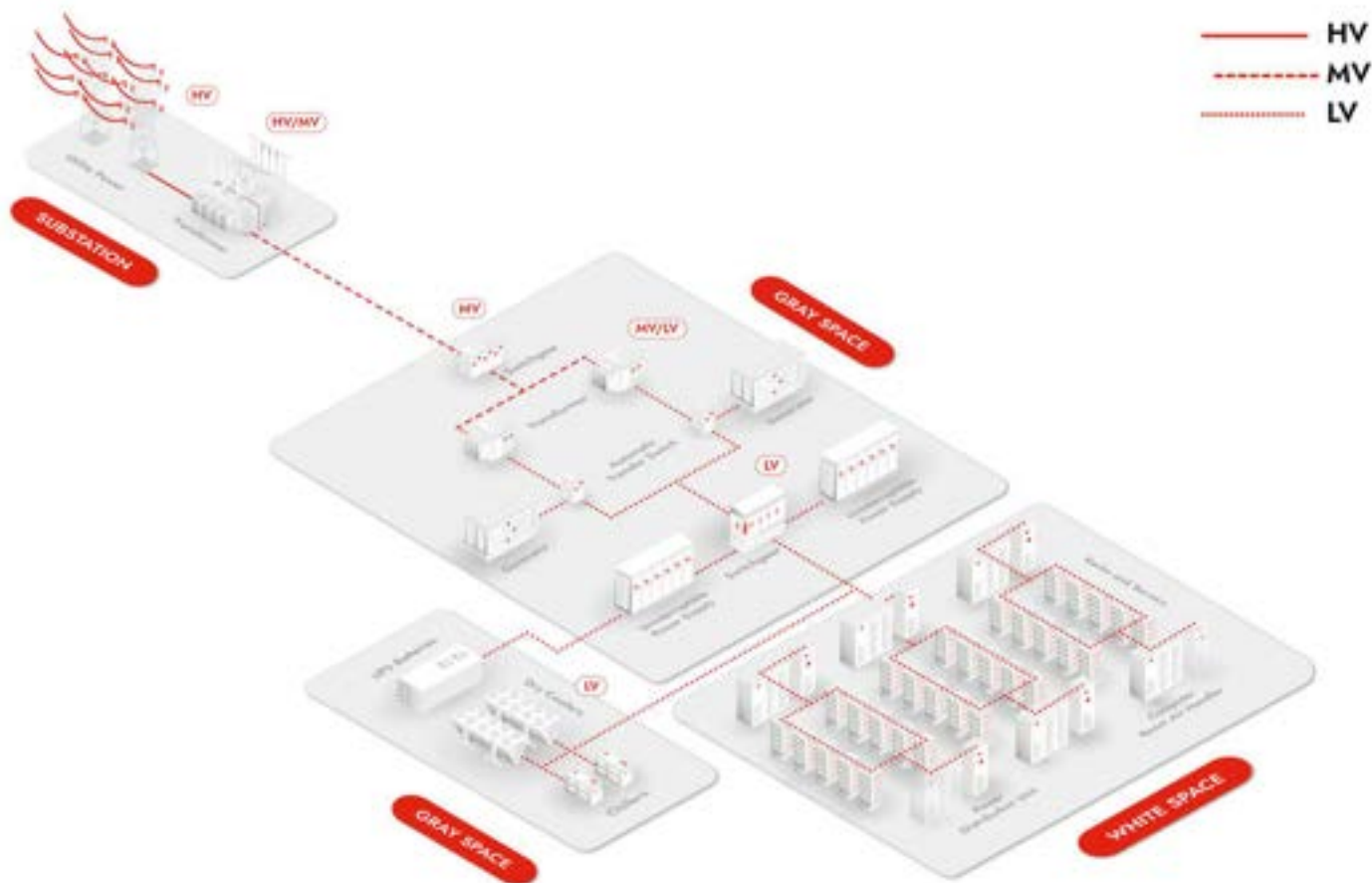
ISO 14001:2015 - Environmental Management:

Focuses on reducing the environmental impact of our activities

MSCI ESG Rating:

Recognition of Nexans' performance in environmental, social, and governance practices

We do more than just manufacture cables. We power the critical infrastructures that keep the digital world running. Our ambition is to support data centers' development at every stage of the project by supporting players in managing their key stakes, while limiting environmental impact.



Engineering expertise for seamless execution and energy efficiency

- End to end support from early design to installation.
- Solutions and on-site expertise to secure efficient and reliable deployment.

Innovative technologies to support very high power data centers

- Addressing the challenges of hyperscalers above 1 GW: power density, architecture, efficiency.
- Advanced developments in superconductivity and 800 VDC technologies.

Sustainability, at the heart of Nexans' E3 model

- E3 operating model integrating economic, environment and social performance.
- Low carbon cables range and environmental data transparency to reduce carbon footprint, combined with recycling solutions.

Cables and accessories

- From high voltage to medium and low voltage, including installation facilitating accessories, Nexans can offer products suiting all major European standards and certifications.
- Technical expertise to guide the right choices for each project.
- Delivering best-in-class fire protection with Nexans' range of high-performance fire safety cables.

Cutting-off carbon emissions related to the electrical grid

Reducing the carbon footprint (Scope 3 emissions) of data centers is a major concern for leading operators. Nexans has designed a comprehensive approach integrating sustainability at every level by feeding the production of low-carbon cables with recycled metal and polymers, and transparent communication on the impact across the entire product life cycle.



• **Range of low-carbon cables:** Cables with an optimized environmental footprint up to -35% carbon emissions during the production phase. Nexans best-in-class products are identified by the "Low Carbon" symbol to distinguish products whose environmental footprint has been optimized via one or more of the following levers:

- A minimum integration of 10% recycled copper or aluminum of one or more of the following levers:
- 100% sourcing of "low-carbon footprint" aluminum*

(* Aluminum with an environmental footprint equal to or less than 7.3tCO₂ eq/t of aluminum, representing a 15% reduction compared to the European average (8.6tCO₂ eq/t of aluminum) - [Source: European Aluminium Association – February 2018 – Environmental Profile Report])



As a founding member of the PEP program, Nexans has been publishing environmental declarations for over 15 years.

These standardised declarations are publicly available at:
<http://www.pep-ecopassport.org/>

Up to -35% carbon emissions with Nexans low carbon cables range

25% recycled copper in Nexans cables globally by 2028

€90M

invested in Lens to develop state-of-the-art refining process allowing the incorporation of 100% recycled content in new cables

• **Fully transparent environmental data:** With its Low Carbon program, Nexans ensures transparent cables' environmental data by providing reliable information based on PEP declarations, combined with enriched indicators, that allows the carbon footprint of a cable to be assessed at a glance.

Rolled out worldwide, this program applies to all Nexans products with a life cycle assessment (LCA).

As part of this unique program, Nexans has implemented the first environmental labeling of its products' CO₂ data, easily accessible from the technical data sheets of products with a certified LCA.

• **Cable recycling service provided by cable experts:** CableLoop for Enterprise is a turnkey scrap management service designed for enterprises. In a context of high tension around the extraction of raw materials such as copper, Nexans buy used cables and transform them in the Lens foundry, into valuable resources, infinitely reusable, for the cable industry, to ultimately reduce the CO₂ emissions related to the production and use of cables.



A complete portfolio

Nexans provides one of the most complete range of cables and accessories designed to support every level of your data center electrical infrastructure. From high voltage transmission to low voltage distribution and final connections to IT server racks, our solutions are engineered to ensure reliable, safe and efficient power delivery across all environments.

High Voltage

Hyperscale data centers demand extremely high levels of power. High voltage cables are custom-designed solutions tailored for high voltage level, installation environment, and specific constraints of each project.

Nexans provides 36 kV to 500 kV solutions, mastering the whole value chain to ensure safe, performing and sustainable energy transportation.

Nexans HT-XLPE

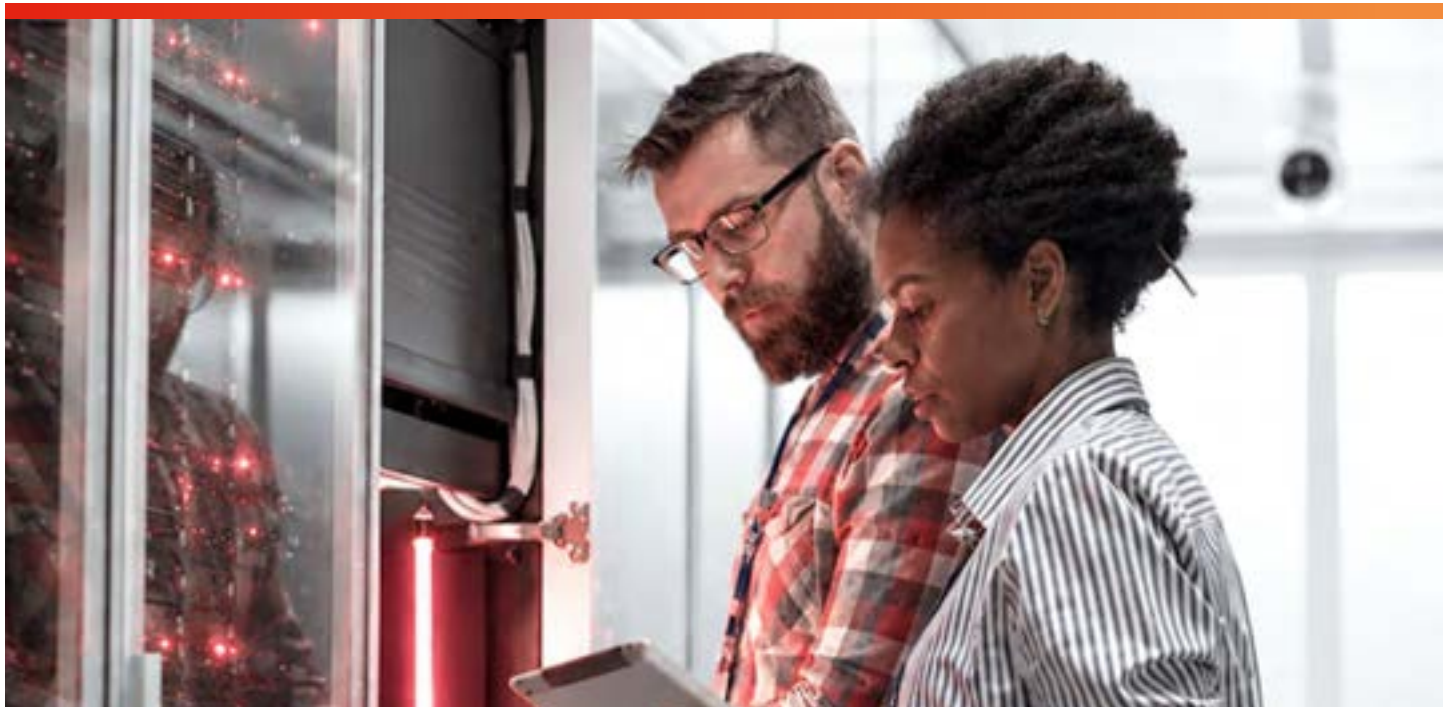


- Sections of conductor : up to 3 000 mm², round or Milliken
- Conductor materials used : aluminum, copper and enameled copper
- Metallic screen : copper or aluminum wires with copper tape or laminated / welded aluminum low carbon cables*.

Specific functionalities :

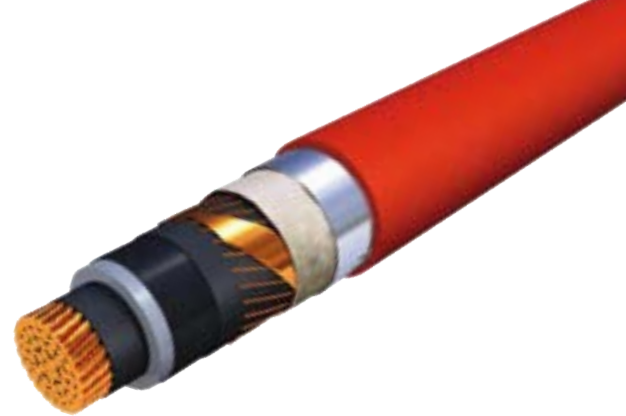
- Longitudinally water-blocked conductor
- HFFR jacket (halogen-free)
- Optical fiber integrated into a metal tube for temperature monitoring
- Optimized skin effect (SC – Skin Control)
- Compact three-pole solution

In-house HV accessories (joints, terminations) and full qualified system provider.



Medium Voltage

Medium voltage cables connect data centers to the grid, or can also connect different structures of a same site



MV cable range

COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CAR-BON*	STANDARD
FI	Reka HXCMK-HF D 24 kV 1 core	Fire retardant	35-630 mm ²	Cu - class 2	Dca s2 d2 a2	-	-	SFS 7518 /HD 622 4B rev - XLPE
	Reka AHXAMK-W HF D 20 kV 3 core	Fire retardant	185-300 mm ²	Al - class 2	Dca s2 d2 a2	-	-	SFS 7518 /HD 622 4B rev - XLPE
FI SE	AXQJ 12-36 kV 3 core	Fire retardant	50-300 mm ²	Al - class 2	Dca s2 d2 a2	-	-	SS 424 14 16 HD 620 10M - XLPE
	AXQJ-F D / AHXCMK-HF D 24 kV 3 core	Fire retardant	50-300 mm ²	Al - class 2				SFS 7518 /HD 622 4B rev - XLPE
FI SE NO	AXQJ 12-36 kV 1 core	Fire retardant	50-630 mm ²	Al - class 2	Dca s2 d2 a2	-	-	SS 424 14 16 - XLPE
	TSLI 24 kV 1 core		50-630 mm ²	Al - class 2				HD 620 10K - XLPE
	AXQJ-F TT D/AHXCAMK-HF D 24 kV 1 core		50-800 mm ²	Al - class 2				SFS 7518 /HD 622 4B rev - XLPE
SE	Nexans AMCL 12-24 kV 3 core	Standard	50 - 300 mm ²	Al - class 2	Not tested/no requirement	-	X	SS 424 14 20 - TPI
	Reka AXCLIGHT TT 3 core	Standard	50-300 mm ²	Al - class 2	Not tested/no requirement	-	-	SS 424 14 16/HD 620 10M - XLPE
SE NO	Nexans TSLF 24 kV 1 core	Standard	50-1200 mm ²	Al - class 2	Fca Fca Not tested/no requirement	-	-	HD 620 10K - XLPE
	Nexans TSLF 36 kV 1 core		95-800 mm ²	Al - class 2				HD 620 10K - XLPE
	Nexans AXLJ 12-36 kV 1 core		95-800 mm ²	Al - class 2				SS 424 14 16/HD 620 10M - XLPE
	Nexans YSLF 24 kV 1 core Nexans AMLJ 12-24 kV 1 core	Standard	50-240 mm ² 50-240 mm ²	Al - class 2 Al - class 2	Not tested/no requirement Not tested/no requirement	-	X	HD 620 12K - TPI SS 424 14 20 - TPI
INTL	Nexans SIWO-KUL	Fire retardant	50-400 mm ²	Cu - class 5	B2ca s1 d1 a1	Flexible + very high temperature (180°C)	-	EN 45545
CH	Nexans XKDT	Standard	50 - 630mm ²	Cu and Al - Class 2	Fca	-	-	HD 620
	Nexans XDALT ⁽⁶⁾	Standard	50 - 630mm ²	Cu - Class 2	Fca	Waterproof	-	HD 620
DE	Nexans NA2XS(FL)H 20 kV or 33 kV Nexans NA2XS(F)H or NA2XS(FL)2Y	Fire retardant	95 - 630 mm ²	Al - Class 2	Cca-s1,d2,a1 B2ca-s1,d1,a1	-	-	DIN VDE 0276-part 620 IEC 60502-2
	Nexans N2XS(F)H 10 kV or 20 kV Nexans N2XS(FL)H or N2XS(FL)2Y	Fire retardant	95 - 630 mm ²	Cu - Class 2	Cca-s1,d2,a1 B2ca-s1,d1,a1	-	-	DIN VDE 0276-part 620 IEC 60502-2

* Minimal reduction of CO₂ emissions of 35% via 100% low carbon aluminium and 50% recycled plastics, plus use of renewable or decarbonated energies in production process

(8) HTA cables EDR and non EDR type

(6) Not tested according AD8 but according IEC 620

COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CAR-BON*	STANDARD
FR	Nexans FR-N20XA8E-AR ⁽⁸⁾ Nexans FR-N30XA8E-AR ⁽⁸⁾	Standard	50-630 mm ²	Al - Class 2	Eca	-	X	NF C 33-226
	Nexans FR-N30XA8E-R ⁽⁸⁾ Nexans FR-N20XA8E-R ⁽⁸⁾	Standard	50-630 mm ²	Cu - Class 2	Eca	-	-	NF C 33-226
B	Nexans EAXeCeGB-F2 8,7-15 kV	 Fire retardant	95-630 mm ²	Al - Class 2	Cca s1,d2, a1	-	X	NBN HD 620 partie 10 section B
	Nexans EXeCeGB-F2 8,7-15 kV	 Fire retardant	95-630 mm ²	Cu - Class 2	Cca s1,d2,a1	-	-	NBN HD 620 partie 10 section B
	Nexans EAXeCWB	Standard	95-1000 mm ² (possible)	Al - Class 2	Fca	-	X	NBN HD 620 partie 10 section B
	Nexans EAXeCeWB	Standard	95-1000 mm ² (possible)	Al - Class 2	Fca	-	X	NBN HD 620 partie 10 section B
	Nexans EXeCWB	Standard	95-1000 mm ² (possible)	Cu - Class 2	Fca	-	-	NBN HD 620 partie 10 section B
	Nexans EXeCeWB	Standard	95-1000 mm ² (possible)	Cu - Class 2	Fca	-	-	NBN HD 620 partie 10 section B
IT	LTC - Slimpower Plus HT 105 (rubber insulation) LTC - RG26H1M16-12/20 kV LTC - RG26H1M16-18/30 kV	 Fire retardant	25-630 mm ²	Cu - class 2	Cca s1,d1,a1 (1 conductor) or Cca s1b,d1,a1(3 conductors)	-	-	ref. to IEC 60502-2 CEI UNEL 35334 CEI 20-13 HD 620 Part 9 Section E
	Nexans RG16H1M20 - 12/20 kV (rubber insulation)	 Fire retardant	25-630 mm ²	Cu - class 2	B2ca-s1a,d1,a1	-	-	CEI 20-13 ref. to IEC 60502-2
	Nexans ARP1H5E 12/20 kV	Standard	95-240 mm ²	Al - class 2	Fca	-	-	GSC001
	Nexans ARE4H5EE(X) 12/20 kV (Shockproof)	Standard	70-630 mm ²	Al - class 2	Fca	-	-	CEI 2068; HD 620; IEC 605022
	Nexans ARE4H5EE(X) 18/30 kV (Shockproof)	Standard	70-630 mm ²	Al - class 2	Fca	-	-	CEI 2068; HD 620; IEC 605022
	Nexans ARE4H5E(X) 12/20 kV	Standard	70-630 mm ²	Al - class 2	Fca	-	-	HD 620; IEC 605022
UK, IR, DE, GR	2XS(FL)H 20 kV or 33 kV	Standard	50 - 630 mm ² (Class 2)	Cu	Dca-s1,d2,a1	-	-	IEC 60502-2
	A2XS(FL)H 20 kV or 33 kV	Standard	50 - 1000 mm ² (Class 2)	Al	Dca-s1,d2,a1	-	-	IEC 60502-2
	A2XS(F)2Y 20 kV or 33 kV	Standard	50 - 1000 mm ² (Class 2)	Al	Eca	-	-	IEC 60502-2 & BS 7870-4.10

Low Voltage

In data centers, the energy powers data through low voltage cables. They need to meet strict space, safety and temperature control requirements. List of products



LV cable range

COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CARBON*	STANDARD
FI	Reka AXCMK-HF C 1 kV (multi)	Fire retardant	35-300 mm ²	Alu - Class 2	Cca s1 d1 a1	-	-	SFS 5546
	Reka XCMK-HF C 1 kV (multi)	Fire retardant	1,5-6 mm ²	Cu - Class 1	Cca s1 d1 a1	-	-	SFS 5546
	Reka XCMK-HF C 1 kV (multi)	Fire retardant	10-300 mm ²	Cu - Class 2	Cca s1 d1 a1	-	-	SFS 5546
	Reka MK-HF C (single) 450/750V	Fire retardant	4-630 mm ²	Cu - Class 2	Cca s1 d1 a1	-	-	EN 50525-3-31
	Reka MKEM-HF C 450/750V (single)	Fire retardant	10-150 mm ²	Cu - Class 5	Cca s1 d1 a1	Flexible	-	EN 50525-3-31
FI NO	MK-HF D 450/750V (single)	Fire retardant	10-500 mm ²	Cu - Class 2	Dca s2 d2 a2	-	-	EN 50525-3-31
	IX 450/750V (single)	Fire retardant	10-120 mm ²					EN 50525-3-31
FI NO SE	MKEM-HF D (single) 450/750V	Fire retardant	1,5-120 mm ²	Cu - Class 5	Dca s2 d2 a2	Flexible	-	EN 50525-3-31
	RQ 450/750V (single)		6-240 mm ²					EN 50525-3-31
	RQ 450/750V (single)		1,5-300 mm ²					EN 50525-3-31
EU	LTC - H07ZZ-F	Fire retardant	1x 10 to 630 mm ² 2x 1 to 25 mm ² 3x 1 to 185 mm ² 4x 1 to 300 mm ² 5x 1,5 to 240 mm ²	Cu - class 5	Cca-s1b,d1,a1	Flexible	-	EN 50525-3-21
	LTC - H07BN4-F	Standard	1x 10 to 630 mm ² 2x 1 to 25 mm ² 3x 1 to 300 mm ² 4x 1 to 300 mm ² 5x 1 to 120 mm ²	Tinned Cu - class 5	Eca	Flexible	-	EN 50525-2-21
	LTC - H07BB-F	Standard	1x 10 to 630 mm ² 2x 1 to 25 mm ² 3x 1 to 300 mm ² 4x 1 to 300 mm ² 5x 1 to 120 mm ²	Cu - class 5	Eca	Flexible	-	EN 50525-2-21

* Minimal reduction of CO₂ emissions of 35% via 100% low carbon aluminium and 50% recycled plastics, plus use of renewable or decarbonated energies in production process

(1) Rigid or semi-rigid cables, up to 5 conductors

(2) U (solid copper) for 1,5-4 / R (stranded copper) for >= 6

(3) Distingo up to 16 mm : color marking of sections & nb of conductors, as well as remaining length; easy strippable + available on Mobiway

(9) Easystrip if Ultimo

COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CAR-BON*	STANDARD
FR	Nexans FR-N1X6G3-U/R Protect ^{(1) (2)}	 Fire retardant	1,5-630 mm ²	Cu - Class 1&2	Cca-s1,d2,a1	X (3) + NXTAG (11)	-	XP C32-325
	LTC - FR-N1X6G3-U/R	 Fire retardant	1x 25-300 mm ² 2x 1,5-35 mm ² 3x 1,5-35 mm ² 4x 1,5-35 mm ² 5x 1,5-25 mm ²	Cu - Cl 2 Cu - Cl1&2 Cu - Cl1&2 Cu - Cl1&2 Cu - Cl1&2	Cca-s1b,d2,a1	-	-	XP C32-325
	Nexans FR-N1X6G3- AR Protect & LFH Twistal	 Fire retardant	1,5-630 mm ²	Al - Class 2	Cca-s1,d2,a1	-	-	XP C32-325
	Nexans U-1000AR2V Twistal	Standard	25-300 mm ²	Al - Class 2	Eca	-	X	NF C 32-321
	Nexans U-1000R2V Distingo ⁽³⁾	Standard	1,5-300 mm ²	Cu - Class 1&2	Eca	X (3) + NXTAG (11)	-	NF C 32-321
AU	LTC - FE05C-0,6/1 kV	 Fire retardant	1x 10 to 300 mm ² 2x 1,5 to 25 mm ² 3x 1,5 to 10 mm ² 4x 1,5 to 10 mm ² 5x 1,5 to 10 mm ²	Cu - class 1+2	Cca-s1,d1,a1	-	-	TPV-003
B	Nexans XGB or Ultimo	 Fire retardant	1,5-300 mm ²	Cu - Class 1&2	Cca-s1,d2,a1	Easystrip ⁽⁹⁾	X	NBN HD 604 Part 5/ Sect.L
	Nexans XVB or Ultimo	Standard	1,5-300 mm ²	Cu - Class 1&2	Cca-s3,d2,a3	Easystrip ⁽⁹⁾	-	NBN HD 604 Part 4/ Sect.G
CH	Nexans FE05-C Flex	 Fire retardant	10 - 240mm ²	Cu - Class 5	Cca s1 d1 a1	AD8	-	SEV TP 20B/3C-d
	Nexans FE05-C	 Fire retardant	1.5 - 630mm ²	Cu - Class 2	Cca s1 d1 a1	-	-	SEV TP 20B/3C-d
	Nexans FE05-B2	 Fire retardant	1.5 - 630mm ²	Cu - Class 2	B2ca s1 d1 a1	-	-	SEV TP 20B/3C-d
DE	Nexans N2XH 0,6/1 kV single or multicores	 Fire retardant	1,5-800 mm ²	Cu - Class 1 Class 2 Class 5	Cca-s1,d2,a1 B2ca-s1,d1,a1	Easystrip Flexibility 5x Bending Radius	-	DIN VDE 0276-604 and IEC 60502-1
UK, IR, DE, GR	Nexans N2XH 0,6/1 kV single or multicores	 Fire retardant	1,5-800 mm ²	Cu - Class 1 & Class 2	Dca-s1,d2,a1	-	-	VDE and IEC 60502-1

Cables and accessories

LV cable range

COUNTRY NORM	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CARBON*	STANDARD
FI SE	EXQJ (multi) XCMK-HF D 1 kV (multi)	 Fire retardant	2,5-10 mm ² 1,5-6 mm ²	Cu - Class 1	Dca s2 d2 a2	-	-	SS 424 14 18 SFS 5546
FI SE NO	AXQJ Easy 1 kV (multi) IFSI AL Easy 1 kV (multi) AXCMK-HF D 1 kV(multi)	 Fire retardant	25 -300 mm ² 25 -300 mm ² 35 -300 mm ²	Alu - Class 2	Dca s2 d2 a2	easy strip + Flexible	-	HD 603.5AB / SS 424 14 18 HD 604 5D SFS 5546
	FXQJ EMC Easy 1 kV (multi) IFSI EMC CU Easy 1 kV (multi) XCMK-HF D 1 kV (multi)	 Fire retardant	16-300 mm ² 16-300 mm ² 10-300 mm ²	Cu - Class 2	Dca s2 d2 a2	easy strip + Flexible	-	SS 424 14 18 HD 604.5D SFS 5546
SE	Nexans EQLQ Easy 450 750 V	 Fire retardant	1,5-2,5 mm ²	Cu Class1	Dca s2 d2 a2	easy strip	-	SS 424 02 19-6
SE NO	Nexans RXQ 1 kV (single) Nexans TXXI CU 1 kV (single)	 Fire retardant	95-400 mm ²	Cu - Class 2	Dca s2 d2 a2	-	-	IEC 60502-1 NEK 536 in applicable parts
	Nexans AXQ 1 kV (single) Nexans TXXI AL 1 kV (single)	 Fire retardant	95-630 mm ²	Alu - Class 2	Dca s2 d2 a2	-	-	IEC 60502-1 NEK 536 in applicable parts
INTL	Nexans H07BN4-F	 Fire retardant	1x 10 to 630 mm ² 2x 1 to 25 mm ² 3x 1 to 300 mm ² 4x 1 to 300 mm ² 5x 1 to 120 mm ²	Cu - class 5	Eca	Flexible	-	EN 50525-2-21
	Nexans H07ZZ-F Protect ⁽⁵⁾	 Fire retardant	35-50-70 mm ² single core	Cu - class 5	Cca-s1a,d2,a1	Flexible	-	NF EN 50525-3-21
	Nexans H07ZZ-F Protect ⁽⁵⁾	 Fire retardant	95-630 mm ² single core	Cu - class 5	B2ca-s1a,d2,a1	Flexible	-	NF EN 50525-3-21
	Nexans H07Z- U R 450/750 V - Building Wires for Earthing	 Fire retardant	1,5-500 mm ²	Cu - Class 1&2	Cca-s1,d2,a1 B2ca-s1,d1,a1		-	BS EN IEC 50525-3-41
	Nexans H07Z-K 450/750 V - Building Wires / Earthing Cables	 Fire retardant	1,5-500 mm ²	Cu - Class 5	Cca-s1,d2,a1 B2ca-s1,d1,a1	Flexible	-	BS EN IEC 50525-3-41
	Nexans H07RN-F Titanex ⁽⁴⁾	Standard	1,5-630 mm ²	Cu - class 5	Eca	Flexible	-	EN 50525-2-21

COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CARBON*	STANDARD
NL	Nexans YMz1K	 Fire retardant	1,5-300 mm ²	Cu - Class 1 / 2 or 5	B2ca or Cca-s1,d1,a1	Flexible from 10mm possible (class 5)	-	HD 604 Part 5/ sect. C / KEMA 42 C-1-5-C
	Nexans YMvK	Standard	1,5-300 mm ²	Cu - Class 1 / 2 or 5	Dca-s2,d2,a3	Flexible from 10mm possible (class 5)	-	HD 604 Part 4/ Sect.D / KEMA 42 C-1-4-D
IT	LTC - FG16(O)M16-0,6/1 kV	 Fire retardant	1x 10 to 630 mm ² 2x 1,5 to 240 mm ² 3x 1,5 to 300 mm ² 4x 1,5 to 25 mm ² 5x 1,5 to 50 mm ² 3x 35 to 300 + 1x 25 to 150 mm ² 3x 70+1x 35+1G35 mm ² 3x 120+1x 70+1G70 mm ²	Cu - class 5	Cca-s1b,d1,a1	Flexible	-	CEI UNEL 35324
	LTC - ARG16M16-0,6/1 kV	 Fire retardant	1x 16 to 300 mm ²	Al - class 2	Cca-s1b,d1,a1	Flexible	-	CEI UNEL 35396 CEI 20-13
	LTC - FG18(O)M18-0,6/1 kV	 Fire retardant	1x 10 to 630 mm ² 2x 1,5 to 70 mm ² 3x 1,5 to 120 mm ² 4x 1,5 to 120 mm ² 5x 1,5 to 50 mm ² 3x 35 to 70+1x 25 to 35 mm ²	Cu - class 5	B2ca-s1a,d1,a1	-	-	CEI UNEL 35312
	LTC - FTG18(O)M16-0,6/1 kV	 Fire resistant	1x 6 to 630 mm ² 2x 1,5 to 70 mm ² 3x 1,5 to 120 mm ² 4x 1,5 to 25 mm ² 5x 1,5 to 120 mm ² 3x 35 to 95+1x 25 to 50 mm ²	Cu - Class 5	B2ca-s1a,d1,a1	Flexible	-	CEI 20-45 EN 50200 CEI EN 60331-1
SP	RCT RZ1-K	 Fire retardant	1,5-300 mm ²	Cu - class 5	Cca-s1,d1,a1	Flexible	-	UNE 21123-4
	RCT RV-K	Standard	1,5-300 mm ²	Cu - class 5	Eca	Flexible	-	UNE 21123-2
	Nexans RZ1-K ⁽⁷⁾	 Fire retardant	25-240 mm ²	Cu - class 5	Cca-s1,d1,a1	Flexible	-	UNE 21123
UK IR	Nexans CU/XLPE/SWA/LSZH 0,6/1 kV single or multi core	 Fire retardant	1,5-800 mm ²	Cu - Class 2	Cca-s1,d2,a1 B2ca-s1,d1,a1	-	-	BS6724
	Nexans NX100 450/750 V single core	 Fire resistant	1,5-300 mm ²	Cu - Class 2	Fire resistance 120', equivalent to Cca s1,d2,a2	-	-	BS8592
	Nexans NX400 0.6/1 kV single core	 Fire resistant	1,5-400 mm ²	Cu - Class 2	Fire resistance 120', equivalent to Cca s1,d2,a2	-	-	BS7846
	Nexans NX400 0.6/1 kV	 Fire resistant	1,5-400 mm ²	Cu - Class 2	Fire resistance 120', equivalent to Cca s1,d2,a2	-	-	BS7846
	Nexans NX600 0.6/1 kV	 Fire resistant	1,5-400 mm ²	Cu - Class 2	Fire resistance 120', equivalent to Cca s1,d2,a2	-	-	BS7846; BS8519 cat. 3

* Minimal reduction of CO₂ emissions of 35% via 100% low carbon aluminium and 50% recycled plastics, plus use of renewable or decarbonated energies in production process

(5) Flexible monoconductor cables with elastomer covers, resistant, indoor & outdoor, including with oils and chemicals

(4) Flexible cables with elastomer covers, resistant, indoor & outdoor, including with oils and chemicals

(7) Monocables 25–240 mm, and multicables up to 5 cables for sections 25–240 mm; up to 500 mm available by summer 2026 and 630 mm by Q4–2026

High-temperature superconducting cables



HV cables range

COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CAR-BON*	STANDARD
IEC	Nexans HTS 3in1 AC Mono/Three-Phase LV Cable 66kV/115 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape	Superconducting cables do not have a Euroclass classification. To date, we are engaged with UL to define an appropriate classification within the NEC.	Flexible; bending radius: 500–3000 mm (depending on outer diameter).	Low CO ₂ footprint; quasi-zero electrical losses	IEC
	Nexans HTS single core AC Mono/Three-Phase LV Cable 135 kV/225 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape		Flexible; bending radius: 500–3000 mm (depending on outer diameter).	Low CO ₂ footprint; quasi-zero electrical losses	

MV cables range

COUNTRY NORM	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CAR-BON*	STANDARD
IEC	Nexans HTS Concentric AC Mono/Three-Phase LV Cable 10 kV/35 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape	Superconducting cables do not have a Euroclass classification. To date, we are engaged with UL to define an appropriate classification within the NEC.	Flexible; bending radius: 500–3000 mm (depending on outer diameter).	Low CO ₂ footprint; quasi-zero electrical losses.	IEC compliant; UL certification letter available confirming compliance with UL/NFPA NEC requirements during the interim period (standard in development, expected 2029).
	Nexans HTS 3in1 AC Mono/Three-Phase LV Cable 10 kV/35 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape				

LV cables range

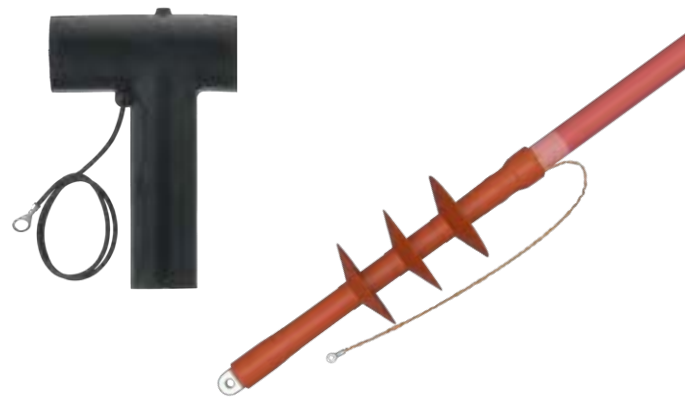
COUNTRY STANDARD	PRODUCT RANGES	TYPE	AVAILABLE SECTIONS	CONDUCTOR METAL	FIRE BEHAVIOUR (EUROCLASS)	ERGONOMICS	LOW CAR-BON*	STANDARD
IEC	Nexans HTS concentric DC bipolar/unipolar LV Cable 0.4/1 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape	Superconducting cables do not have a Euroclass classification. To date, we are engaged with UL to define an appropriate classification within the NEC.	Flexible; bending radius: 500–3000 mm (depending on outer diameter).	Low CO ₂ footprint; quasi-zero electrical losses	IEC compliant; UL certification letter available confirming compliance with UL/NFPA NEC requirements during the interim period (standard in development, expected 2029).
	Nexans HTS single core DC LV Cable 0.4/1 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape				
	Nexans HTS Concentric AC Mono/Three-Phase LV Cable 0.4/1 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape				
	Nexans HTS 3in1 AC Mono/Three-Phase LV Cable 0.4/1 kV	Standard	Outer diameter: 100 mm to 250 mm Current capacity: 1 kA to 4 kA	2G-HTS tape				

Power cables & accessories portfolio

Power accessories (connectors, cable terminations) are essential to ensure the reliability and safety of electrical connections across the infrastructure.

Nexans offers a complete range of accessories designed for easy installation, reduced error risk and long-term performance.

Our solutions support faster deployment and help secure connections at every stage of the project.



Detailed product range

Thanks to a wide range of smart, easy to install accessories, Nexans helps you meet your deadlines fast and error-proof.

Nexans Accessories

PRODUCT FAMILY	SECTION RANGE MM ²	CONDUCTOR METAL	NORMS		
Connectors	16-1200	Cu - Al	CENELEC HD 629.1 CENELEC EN 50180 CENELEC EN 50181	12-72,5	From interface A - F Compact design
Surge arresters	-	-	CENELEC HD 629.1 IEC 60099-4	12-72,5	Interfaces C, E & F
Bushings	-	Cu-Al	IEC 60137 CENELEC EN 50180 CENELEC EN 50181	12-72,5	Interface A - B - C - F
Cold-shrink joints	35-630	Cu-Al	CENELEC HD 629.1 IEC 60502-4	12-36	Easy tech: All-in-one cold-shrink joint. Advanced ergonomics and error-proof design ensure consistent installation quality and improved reliability.
Heat-shrink joints	25-1200	Cu-Al	CENELEC HD 629.1 IEC 60502-4	12-52	-
Cold-shrink terminations	25-630	Cu-Al	CENELEC HD 629.1 IEC 60502-4	12-24	-
Heat-shrink terminations	12-1200	Cu-Al	CENELEC HD 629.1 IEC 60502-4	12-52	-
Slip-on terminations	25-1200	Cu-Al	CENELEC HD 629.1 IEC 60502-4	12-72,5	Ready to install
Pre-terminated power cables	-	Cu-Al	-	12-72,5	Plug-and-play, tailor-made, factory assembled and tested
Smart Accessories	16-1200	Cu-Al	CENELEC HD 629.1	12-36	Interface A and C Smart monitoring and detection of weak points prior to failure.
Ferrules and lugs - Mechanical connectors	16-1200	Cu-Al	VDE 0220 IEC 61238-1 UL 486A-486B	LV - HV	A complete range of bolted products covering from LV to HV
Ferrules and lugs - Cable lugs	16-1200	Cu-Al	VDE 0220 IEC 61238-1 UL 486A-486B	LV - HV	A complete range of bolted products covering from LV to HV



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