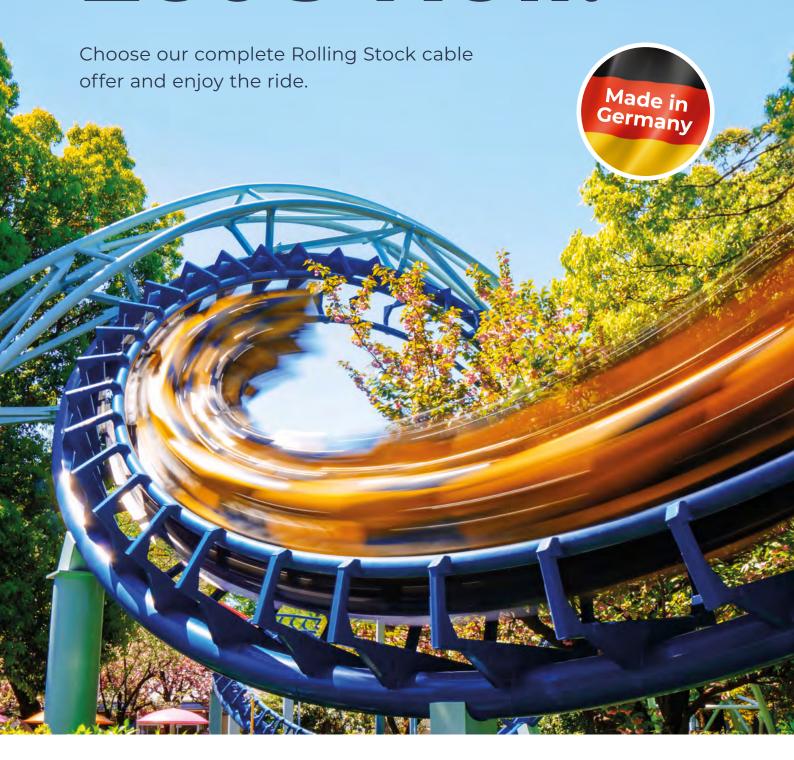
Let's Roll!





Connecting the world.

Today and in the future.

Prysmian – the world leader in the energy and telecom cables and systems industry.

With 150 years' experience, Prysmian is strongly positioned in high-tech markets and offers the widest possible range of products, services, technologies and know-how. 150 YEARS OF EXPERIENCE

26R&D CENTRES

AROUND

THE WORLD



We specialise in underground and submarine cables and systems for power transmission and distribution, special cables for applications in many different industries, and medium and low voltage cables for the construction and infrastructure sectors.



For the telecommunications industry, Prysmian is the world's largest provider of cutting-edge cables and accessories for voice, video and data transmission, offering a comprehensive range of optical fibres, optical and copper cables and connectivity systems.



We are committed to environmental responsibility in our production processes, the protection of the global environment, and the responsible management of relations with the local communities in which we work.



For us, innovation means meeting the needs of our customers and communities by understanding their business drivers as quickly as they do. To do that, our team of over 900 Research & Development professionals is constantly looking to the future, predicting and identifying emerging trends in each of our industries and sectors. Acting on this intelligence from 26 R&D centres around the world, we're constantly close to our customers in their own local markets.

Rolling Stock cables



As the world turns towards more sustainable transportations, the request for trains will increase rapidly. As the demands for speed, comfort and safety will grow at the same pace, the amount of high-quality cables will become indispensable. This has an impact on all types of rolling stock vehicles and carriages.

With the goal of maximizing passengers' comfort, operational efficiency, safety and speed, Prysmian promotes and drives product development and innovation. We put a lot of effort into minimizing the size and weight of cables and reducing the wall thickness of insulation and outer sheath, whilst maintaining or even enhancing performances.

LIGHTER TRAINS, GREATER GAINS

- Shed Every Extra Pound
 Reducing cable weight significantly lightens the overall train load.
- Green by Design
 Our lightweight, high-efficiency cables foster a sustainable future.
- Trimmed Weight, Enhanced
 Efficiency
 Lighter trains result in lower e

Lighter trains result in lower energy consumption.

- Superior Performance
 State-of-the-art materials ensure
 long-lasting strength and reliability.
- Thinner Walls, Greater Impact
 Our pioneering MOVIS cables are
 significantly lighter without compromising strength.

MOVIS Thin Wall Cables: Revolutionizing Rolling Stock Efficiency.

Choose our complete Rolling Stock cable offer and enjoy the ride.

Our cable solutions sit at the heart of significant rolling stock projects all over the world. Our all-including range covers everything from power and instrumentation cables to data and telecom. From high temperature to thin wall designs and to harnessing solutions according to specific customer needs. Furthermore, we can provide you with all the services you might need – before, during and after.

What we offer.

Prysmian offers a complete cable portfolio covering all aspects needed in rolling stock equipment.

Advanced technology and performance.

Our cables allow: bending radius up to 3 times the cable outer diameter; smallest dimensions possible; higher working temperature with scaled-down conductor cross-sections; higher physical and mechanical resistance for properties such as abrasion, cut-through, notch propagation, repeated bending and vibrations. Easy peeling and low friction properties.

Unique safety in fire hazards.

Self-extinguishing properties, no toxic and corrosive gases released, and reduced smoke emission prevent the cables from contributing to fire propagation and related consequences to people safety and to equipment integrity. Our cables are suitable in the most critical conditions such as tunnels and deep metro lines.

Tailor-made solutions.

Thanks to extended technological capabilities we are able to manufacture a broad range of specifically developed compounds and cable designs as well as harnessing solutions according to specific customer needs.

PRYSMIAN | **Rolling Stock**

Complete solutions

Prysmian cables are suitable for equipping all kinds of rolling stock vehicles and carriages, including tramlines, underground and mass transit lines as well as regional trains.

Control cables

V Power cables

✓ High temperature

V Data cables

Jumper cables

Composite cables

Pantograph

Coaxial cables

All Prysmian Rolling Stock cables are Reach and RoHs compliant and all manufacturing facilities are certified according to ISO/TS 22163 (IRIS).

Products & Brands

MOVIS Power and Control cables

Halogen free, single core, with special fire performance, increased heat resistance (120 °C) and reduced dimensions. For use as fixed wiring or where limited flexing in operation is encountered. Usable on rolling stock with hazard level HL3 according to EN 45545. Fire resistant (EN 50200) available.

MOVIS Data and Communication cables

Halogen free data cables with special fire performance and increased heat resistance. Usable on rolling stock with hazard level HL3 according to EN 45545.

MOVIS Thin Wall

Thin wall control cables for equipment control and monitoring circuits, internal wiring of equipment, interlocking circuits, indicating circuits. According to EN 50306 with special fire performances. Usable on rolling stock with hazard level HL3 according to EN

Sienopyr (120)

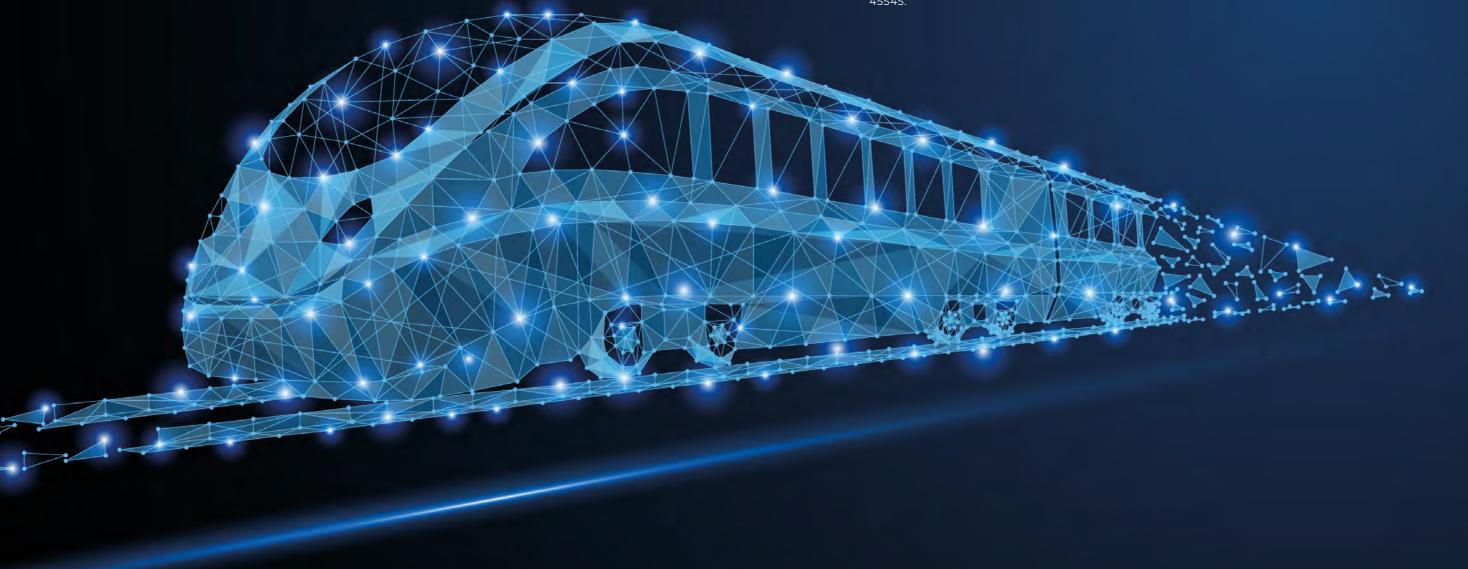
Power and control cables according to EN with increased heat resistance (120 °C), fulfilling EN 45545 fire and smoke properties. Fire resistant (EN 50200) versions available.

Sienopyr (180)

High temperature cables based on EN 50382-2 with increased heat resistance (180 °C), fulfilling EN 45545.

TENAX TRAIN Plus and PROTOLON (HMK)

Halogen free single core HD flexible cables with special fire performance and reduced dimensions. Used for connection of pantographs in locomotives and trains. Special design also for flexible connections to distribute power along the train.



Engineered to perfection

At our Centres of Excellence in Neustadt and Wuppertal, Germany, our skilled engineers and technicians are developing state-of-the art cables for the rolling stock industry. By putting special attention to every such detail we've built an outstanding portfolio covering all aspects of the hyper modern vehicles through the Art of German Engineering.

There are several advantages connected to having production and development based in Germany. First of all, it is our own market. We know what you need and can make the cables meet the quality demands that you ask for. Secondly, the lead times get a lot shorter. The cables will be in place where and when you need it. Thirdly, we can lower transport distances, which will save all of us both on money and the environment.

It is a win-win, for all of us.





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MOVIS 2 GKW Flex



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 2 GKW Flex		
Brand	MOVIS	
Type designation	2 GKW Flex	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_2GKW_FLEX_300-500V



MOVIS 2 GKW C Flex

These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 2 GKW C Flex		
Brand	MOVIS	
Type designation	2 GKW C Flex	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_2GKW_C_FLEX_300-500V

MOVIS 2 GKW FR Flex

MOVIS



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 2 GKW FR Flex		
Brand	MOVIS	
Type designation	2 GKW FR Flex	
Standard	DIN EN 50264-1 DIN EN 50200 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 2 GKW C FR Flex



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 2 GKW C FR Flex		
Brand	MOVIS	
Type designation	2 GKW C FR Flex	
Standard	DIN EN 50264-1 DIN EN 50200 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 2 GKW J Flex



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 2 GKW J Flex		
Brand	MOVIS	
Type designation	2 GKW J Flex	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 3 GKW

MOVIS



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 3 GKW		
Brand	MOVIS	
Type designation	3 GKW	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	-	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_3GKW_0,6-1KV

MOVIS 2 GKW C J Flex



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 2 GKW C J Flex		
Brand	MOVIS	
Type designation	2 GKW C J Flex	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 3 GKW C



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 3 GKW C		
Brand	MOVIS	
Type designation	3 GKW C	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_3GKW_C_0,6-1KV

MOVIS 3 GKW Flex



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 3 GKW Flex		
Brand	MOVIS	
Type designation	3 GKW Flex	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_3GKW_FLEX_0,6-1KV

MOVIS 3 GKW C Flex



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 7.0	SKW C Flox	
MOVIS 3 GKW C Flex		
Brand	MOVIS	
Type designation	3 GKW C Flex	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_3GKW_C_FLEX_0,6-1KV

MOVIS 3 GKW FR

MOVIS



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 3 GKW FR	
Brand	MOVIS
Type designation	3 GKW FR
Standard	DIN EN 50264-3-1 DIN EN 50200 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	=
Nominal voltage	0.6/1 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_3GKW_FR_0,6-1KV

MOVIS 3 GKW C FR



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 3 GKW C FR		
Brand	MOVIS	
Type designation	3 GKW C FR	
Standard	DIN EN 50264-3-1 DIN EN 50200 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 3 GKW J



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 3 GKW J		
Brand	MOVIS	
Type designation	3 GKW J	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 3 GKW J Flex

MOVIS



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 3 GKW J Flex	
Brand	MOVIS
Type designation	3 GKW J Flex
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	0.6/1 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

MOVIS 3 GKW C J



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 3 GKW C J	
Brand	MOVIS
Type designation	3 GKW C J
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	0.6/1 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

MOVIS 3 GKW C J Flex



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOV/67 OV/M 67 El		
MOVIS 3 GKW C J Flex		
Brand	MOVIS	
Type designation	3 GKW C J Flex	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS

MOVIS 4 GKW



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 4 GKW		
Brand	MOVIS	
Type designation	4 GKW	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	-	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_4GKW_1,8-3KV

MOVIS 4 GKW Flex

MOVIS



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 4 GKW Flex		
Brand	MOVIS	
Type designation	4 GKW Flex	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 4 GKW C



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 4 GKW C		
Brand	MOVIS	
Type designation	4 GKW C	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_4GKW_C_1,8-3KV

MOVIS 4 GKW C Flex



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 4 GKW C Flex		
Brand	MOVIS	
Type designation	4 GKW C Flex	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40 °C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_4GKW_C_FLEX_1,8-3KV

MOVIS

MOVIS 4 GKW FR



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 4 GKW FR	
Brand	MOVIS
Type designation	4 GKW FR
Standard	DIN EN 50264-1 DIN EN 50200 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	_
Nominal voltage	1.8/3 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_4GKW_FR_1,8-3KV

MOVIS 4 GKW C FR



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 4 GKW C FR	
Brand	MOVIS
Type designation	4 GKW C FR
Standard	DIN EN 50264-1 DIN EN 50200 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	1.8/3 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

MOVIS 4 GKW J



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 4 GKW J	
Brand	MOVIS
Type designation	4 GKW J
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	1.8/3 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

MOVIS 4 GKW C J



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 4 GKW C J		
Brand	MOVIS	
Type designation	4 GKW C J	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/ family/MOVIS_4GKW_C_JUMPER_1,8-3KV

MOVIS 4 GKW J Flex



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 4 GKW J Flex		
Brand	MOVIS	
Type designation	4 GKW J Flex	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 9 GKW

MOVIS



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 9 GKW		
Brand	MOVIS	
Type designation	9 GKW	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	-	
Nominal voltage	3.6/6 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_9GKW_3,6-6KV

MOVIS 4 GKW C J Flex



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 4 GKW C J Flex		
Brand	MOVIS	
Type designation	4 GKW C J Flex	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	1.8/3 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 9 GKW C



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 9 GKW C		
Brand	MOVIS	
Type designation	9 GKW C	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	3.6/6 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_9GKW_C_3,6-6KV

MOVIS 9 GKW C Flex



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS 9 GKW C Flex		
Brand	MOVIS	
Type designation	9 GKW C Flex	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	3.6/6 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

MOVIS 9 GKW C J

MOVIS



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 9 GKW C J	
Brand	MOVIS
Type designation	9 GKW C J
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	3.6/6 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_9GKW_C_J_3,6-6KV

MOVIS 9 GKW J



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 9 GKW J	
Brand	MOVIS
Type designation	9 GKW J
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	3.6/6 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/family/MOVIS_9GKW_J_3,6-6KV

MOVIS 9 GKW C J Flex



These cables are intended for flexible use in rail vehicles, for use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

MOVIS 9 GKW C J Flex		
Brand	MOVIS	
Type designation	9 GKW C J Flex	
Standard	DIN EN 50264-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	3.6/6 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



MOVIS Thin Wall



These cables are intended for fixed wiring or for connections where occasional movement in operation appears in railway rolling stock.

Typical uses are equipment control and monitoring circuits as well as internal wiring of equipment.

In other respects, DIN EN 50355 applies; attention should be paid to the rules for installation of cabling (DIN EN 50343).

Usable on railway vehicles having the hazard level HL3 acc. to EN45545-1:2013

MOVIS Thin Wall		
Brand	MOVIS	
Type designation	TW EN50306-3 300V MM S 90	
Standard	EN 50306-3 & PRYSMIAN specification	
Conductor	Copper, tinned, finely round stranded according to DIN EN 50306-2	
Insulation	Halogen-free, heat-resistant, cross-linked polyolefin special compound acc. to EN 50306-2; standard color: white with printed black numbers	
Screen	Braid of tinned copper wires	
Sheath	Halogen-free, heat-resistant, cross-linked elastomeric special compound, type S2 acc. to EN 50306-1/-3	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	110°C	
Short circuit temperature	250°C	



MOVIS

WHY MOVIS THIN WALL CABLES?



By reducing mass, less force is required to accelerate the rolling stock. Less force means lower energy consumption.

Force = mass x acceleration

With the reduction in the size of our cables for trains, we achieve exactly that: more efficient energy use, contributing to a more sustainable and eco-friendly railway system.

Our cables, compliant with the EN 50306-3 standard, are designed to meet

the **highest safety** and performance requirements while minimizing environmental impact.

Additionally, our electro-beam production process ensures enhanced durability, reduced material waste, and lower emissions during manufacturing, further supporting our commitment to sustainability and energy efficiency.

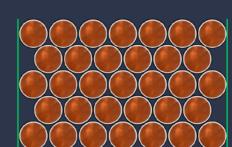
This combination results in a more cost-effective and greener solution for modern train operations.

Standard Cables



Thin Wall Cables





MOVIS Data cables

MOVIS CAT 5e



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS CAT 5e		
Brand	MOVIS	
Type designation	CAT 5e	
Standard	DIN EN 50264-1 DIN EN 50288-2-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Polypropylene (foam-skin)	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	max. 300 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	-	
Short circuit temperature	-	

MOVIS Jumper UIC 541-5



These cables are intended for fixed or flexible installation, especially between carriages in rolling stock.

MOVIS Jumper UIC 541-5	
Brand	MOVIS
Type designation	UIC 541-5
Standard	DIN EN 50264-3-2 UIC 541-5 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 6
Insulation	Cross-Linked LSOH Polypropylene (foam-skin)
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	300/500 V
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	-
Short circuit temperature	250°C

MOVIS CAT 5/7



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS CAT 5/7	
Brand	MOVIS
Type designation	CAT 5/7
Standard	DIN EN 50264-1 DIN EN 50288-2-2/-4-2 IEC 61156-6 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Polypropylene (foam-skin)
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	max. 300 V
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	-
Short circuit temperature	-

MOVIS Jumper UIC 558



These cables are intended for fixed or flexible installation, especially between carriages in rolling stock.

MOVIS Jumper UIC 558	
Brand	MOVIS
Type designation	UIC 588
Standard	DIN EN 50264-3-2 UIC 588 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 6
Insulation	Cross-Linked LSOH Polypropylene (foam-skin)
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	max. 300 V
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	-
Short circuit temperature	-

MOVIS MVB



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS MVB		
Brand	MOVIS	
Type designation	MVB	
Standard	DIN EN 50264-1 IEC 61375-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Polypropylene (foam-skin)	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	max. 300 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	-	
Short circuit temperature	-	

MOVIS WTB



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

MOVIS WTB	
Brand	MOVIS
Type designation	WTB
Standard	DIN EN 50264-1 IEC 61375-2-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Polypropylene (foam-skin)
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	max. 300 V
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	-
Short circuit temperature	-



SIENOPYR(120) HXSLHXOE 300 V FM



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) HXSLHXOE 300 V FM		
Brand	SIENOPYR(120)	
Type designation	HXSLHXOE	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	300/500 V	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

SIENOPYR(120) HXELHXOE 0.6/1 kV FM



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) HXELHXOE 0.6/1 kV FM		
Brand	SIENOPYR(120)	
Type designation	HXELHXOE	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

SIENOPYR(120) HXSLCHXOE 300 V FM S



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) HXSLCHXOE 300 V FM S	
Brand	SIENOPYR(120)
Type designation	HXSLCHXOE
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	300/500 V
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

SIENOPYR(120) HXELCHXOE 0.6/1 kV FM S



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) HXELCHXOE 0.6/1 kV FM S		
Brand	SIENOPYR(120)	
Type designation	HXELCHXOE	
Standard	DIN EN 50264-3-2 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

SIENOPYR

SIENOPYR(120) (N)HX4GAF 0.6/1 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) (N)HX4GAF 0.6/1 kV		
Brand	SIENOPYR(120)	
Type designation	(N)HX4GAF	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	-	
Nominal voltage	0.6/1 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/ family/SIENOPYR(120)_(N)HX4GAF_0,6-1KV

SIENOPYR(120) (N)HXSGAFHXOE 1.8/3 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) (N)HXSGAFHXOE 1.8/3 kV	
Brand	SIENOPYR(120)
Type designation	(N)HXSGAFHXOE
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	1.8/3 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/SIENOPYR(120)_(N)HXSGAFHXOE_1,8-3KV

SIENOPYR(120) (N)HX4GAF 1.8/3 kV



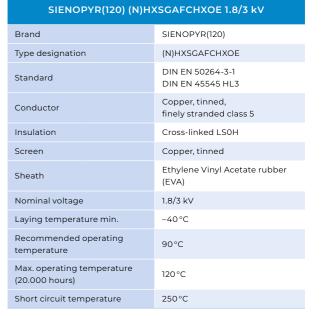
These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) (N)HX4GAF 1.8/3 kV	
Brand	SIENOPYR(120)
Type designation	(N)HX4GAF
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	-
Sheath	-
Nominal voltage	1.8/3 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

SIENOPYR(120) (N)HXSGAFCHXOE 1.8/3 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.





Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/ family/SIENOPYR(120)_(N)HXSGAFCHXOE_1,8-3KV

SIENOPYR

SIENOPYR(120) (N)HXSGAFHXOE 3.6/6 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) (N)HXSGAFHXOE 3.6/6 kV		
Brand	SIENOPYR(120)	
Type designation	(N)HXSGAFHXOE	
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Cross-linked LS0H	
Screen	-	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	3.6/6 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/SIENOPYR(120)_(N)HXSGAFHXOE_3,6-6KV

SIENOPYR(120) JUMPER (N)HXSGAFCHXOE 3.6/6 kV FM S



These cables are intended for flexible usage, especially between carriages in rolling stock.

SIENOPYR(120) (N)HXSGAFCHXOE 3.6/6 kV FM S	
Brand	SIENOPYR(120)
Type designation	(N)HXSGAFCHXOE
Standard	DIN EN 50264-3-1 UIC 552 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5+
Insulation	Cross-linked LS0H
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	3.6/6 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C

SIENOPYR(120) (N)HXSGAFCHXOE 3.6/6 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered.

SIENOPYR(120) (N)HXSGAFCHXOE 3.6/6 kV	
Brand	SIENOPYR(120)
Type designation	(N)HXSGAFCHXOE
Standard	DIN EN 50264-3-1 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Cross-linked LS0H
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	3.6/6 kV
Laying temperature min.	-40°C
Recommended operating temperature	90°C
Max. operating temperature (20.000 hours)	120°C
Short circuit temperature	250°C



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/SIENOPYR(120)_(N)HXSGAFCHXOE_3,6-6KV

SIENOPYR(120) JUMPER NSHXAFCMOE 3.6/6 kV FM S



These cables are intended for flexible usage, especially between carriages in rolling stock.

SIENOPYR(120) NSHXAFCMOE 3.6/6 kV FM S		
Brand	SIENOPYR(120)	
Type designation	NSHXAFCMOE	
Standard	DIN EN 50264-3-1 UIC 552; E DIN VDE 0250-606 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5+	
Insulation	Cross-linked LS0H	
Screen	Copper, tinned	
Sheath	Ethylene Vinyl Acetate rubber (EVA)	
Nominal voltage	3.6/6 kV	
Laying temperature min.	-40°C	
Recommended operating temperature	90°C	
Max. operating temperature (20.000 hours)	120°C	
Short circuit temperature	250°C	

SIENOPYR

SIENOPYR(180) (N) HXSGAFHXOE 1.8/3 kV OM



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered. For use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

SIENOPYR(180) (N)HXSGAFHXOE 1.8/3 kV OM	
Brand	SIENOPYR(180)
Type designation	(N)HXSGAFHXOE
Standard	DIN EN 50382 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Silicone Rubber (SIR)
Screen	-
Sheath	Silicone Rubber (SIR)
Nominal voltage	1.8/3 kV
Laying temperature min.	-50°C
Recommended operating temperature	150°C
Max. operating temperature (20.000 hours)	180°C
Short circuit temperature	350°C



Link Web catalogue: https://de-catalogue.prysmian.com/s/#/family/ SIENOPYR(180)_(N)HXSGAFHXOE_1,8-3KV_

SIENOPYR(180) (N)HXSGAFHXOE 3.6/6 kV OM



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered. For use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

SIENOPYR(180) (N)HXSGAFHXOE 3.6/6 kV OM	
Brand	SIENOPYR(180)
Type designation	(N)HXSGAFHXOE
Standard	DIN EN 50382 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Silicone Rubber (SIR)
Screen	-
Sheath	Silicone Rubber (SIR)
Nominal voltage	3.6/6 kV
Laying temperature min.	-50°C
Recommended operating temperature	150°C
Max. operating temperature (20.000 hours)	180°C
Short circuit temperature	350°C



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/ family/SIENOPYR(180)_(N)HXSGAFHXOE_3,6-6KV_

SIENOPYR(180) (N)HXSGAFCHXOE 1.8/3 kV OM S



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered. For use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

SIENOPYR(180) (N)HXSGAFCHXOE 1.8/3 kV OM S	
Brand	SIENOPYR(180)
Type designation	(N)HXSGAFCHXOE
Standard	DIN EN 50382 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Silicone Rubber (SIR)
Screen	Copper, tinned
Sheath	Silicone Rubber (SIR)
Nominal voltage	1.8/3 kV
Laying temperature min.	-50°C
Recommended operating temperature	150°C
Max. operating temperature (20.000 hours)	180°C



Short circuit temperature

Link Web catalogue: https://de-catalogue.prysmian.com/s/#/family/ SIENOPYR(180)_(N)HXSGAFCHXOE_1,8-3KV_ OM S 150C

350°C

SIENOPYR(180) (N)HXSGAFCHXOE 3.6/6 kV OM S



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered. For use both in- and outdoors, e.g. movable between carriages or between carriage floor and bogies.

SIENOPYR(180) (N)HXSGAFCHXOE 3.6/6 kV OM S

Brand	SIENOPYR(180)
Type designation	(N)HXSGAFCHXOE
Standard	DIN EN 50382 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Silicone Rubber (SIR)
Screen	Copper, tinned
Sheath	Silicone Rubber (SIR)
Nominal voltage	3.6/6 kV
Laying temperature min.	-50°C
Recommended operating temperature	150°C
Max. operating temperature (20.000 hours)	180°C
Short circuit temperature	350°C



Link Web catalogue: https://de-catalogue.prysmiangroup.com/s/#/

family/SIENOPYR(180)_(N)HXSGAFCHXOE_3,6-6KV_



TENAX-TRAIN-Plus

(N)TMCOEU 26/45 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered. For use both in- and outdoors.

TENAX-TRAIN-Plus (N)TMCOEU 26/45kV	
Brand	TENAX-TRAIN-Plus
Type designation	(N)TMCOEU
Standard	DIN VDE 0250-813 IEC 60840 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Hard grade Ethylene Propylene Rubber (HEPR)
Screen	Copper, tinned
Sheath	Ethylene Vinyl Acetate rubber (EVA)
Nominal voltage	26/45 kV
Laying temperature min.	-40°C
Max. operating temperature	90°C
Short circuit temperature	250°C



Link Web catalogue:

https://de-catalogue.prysmiangroup.com/s/#/family/TENAX-TRAIN-PLUS_(N)TMCWOEU_26-45KV

PROTOLON (HMK)

PROTOLON (HMK) (N)TMCGCHXOEUK 26/45 kV



These cables are indented for use in railway rolling stock as fixed wiring, or wiring where limited flexing in operation is encountered. For use both in- and outdoors.

PROTOLON (HMK) (N)TMCGCHXOEUK 26/45kV		
Brand	TENAX-TRAIN-Plus	
Type designation	(N)TMCGCHXOEUK	
Standard	DIN VDE 0250-813 IEC 60840 DIN EN 45545 HL3	
Conductor	Copper, tinned, finely stranded class 5	
Insulation	Hard grade Ethylene Propylene Rubber (HEPR)	
Screen	Copper, tinned	
Sheath	Cross-linked LS0H	
Nominal voltage	26/45 kV	
Laying temperature min.	-50°C	
Max. operating temperature	90°C	
Short circuit temperature	250°C	

TENAX-TRAIN-Plus Jumper (N)TMCWOEU 26/45 kV



These screened cables are intended for use in railway rolling stock as flexible connection, they may be used both in- and outdoors, e.g. flexible between coaches.

Brand TENAX-TRAIN-Plus Type designation Jumper (N)TMCWOEU DIN VDE 0250-813 IEC 60840 DIN EN 45545 HL3 Conductor Copper, tinned, finely stranded class 5 Insulation Hard grade Ethylene Propylene Rubber (HEPR) Screen Copper, tinned Sheath Ethylene Vinyl Acetate rubber (EVA) Nominal voltage 26/45 kV Laying temperature min40°C Max. operating temperature 90°C Short circuit temperature 250°C	TENAX-TRAIN-Plus Jumper (N)TMCWOEU 26/45kV	
Standard DIN VDE 0250-813 IEC 60840 DIN EN 45545 HL3 Conductor Copper, tinned, finely stranded class 5 Insulation Hard grade Ethylene Propylene Rubber (HEPR) Screen Copper, tinned Ethylene Vinyl Acetate rubber (EVA) Nominal voltage 26/45 kV Laying temperature min. DIN VDE 0250-813 IEC 60840 Copper, tinned, Finely stranded class 5 Hard grade Ethylene Propylene Rubber (HEPR) Screen Copper, tinned Ethylene Vinyl Acetate rubber (EVA) Nominal voltage 26/45 kV Laying temperature min. 90°C	Brand	TENAX-TRAIN-Plus
Standard IEC 60840 DIN EN 45545 HL3 Conductor Copper, tinned, finely stranded class 5 Insulation Hard grade Ethylene Propylene Rubber (HEPR) Screen Copper, tinned Sheath Ethylene Vinyl Acetate rubber (EVA) Nominal voltage 26/45 kV Laying temperature min40°C Max. operating temperature 90°C	Type designation	Jumper (N)TMCWOEU
Conductor finely stranded class 5 Insulation Rubber (HEPR) Screen Copper, tinned Ethylene Vinyl Acetate rubber (EVA) Nominal voltage 26/45 kV Laying temperature min40°C Max. operating temperature 90°C	Standard	IEC 60840
Insulation Rubber (HEPR) Screen Copper, tinned Ethylene Vinyl Acetate rubber (EVA) Nominal voltage 26/45 kV Laying temperature min. -40°C Max. operating temperature 90°C	Conductor	
Sheath Ethylene Vinyl Acetate rubber (EVA) Nominal voltage Laying temperature min. -40°C Max. operating temperature 90°C	Insulation	
Sheath (EVA) Nominal voltage 26/45 kV Laying temperature min40°C Max. operating temperature 90°C	Screen	Copper, tinned
Laying temperature min40 °C Max. operating temperature 90 °C	Sheath	, ,
Max. operating temperature 90°C	Nominal voltage	26/45 kV
man operating temperature 55 0	Laying temperature min.	-40°C
Short circuit temperature 250 °C	Max. operating temperature	90°C
	Short circuit temperature	250°C



Link Web catalogue:

family/TENAX-TRAIN-PLUS_JUMPER_(N) TMCWOEU_BK_26-45KV

PROTOLON (HMK) Jumper (N)TMCGCHXOEUK 26/45 kV



These screened cables are intended for use in railway rolling stock as flexible connection, they may be used both in- and outdoors, e.g. flexible between coaches.

PROTOLON (HMK) Jumper (N)TMCGCHXOEUK 26/45kV	
Brand	TENAX-TRAIN-Plus
Type designation	Jumper (N)TMCGCHXOEUK
Standard	DIN VDE 0250-813 IEC 60840 DIN EN 45545 HL3
Conductor	Copper, tinned, finely stranded class 5
Insulation	Hard grade Ethylene Propylene Rubber (HEPR)
Screen	Copper, tinned
Sheath	Cross-linked LS0H
Nominal voltage	26/45 kV
Laying temperature min.	-50°C
Max. operating temperature	90°C
Short circuit temperature	250°C





The planet's pathways

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