

PRYCHARGE EV

Our electric vehicle charging cables outperform the competition.



FLEXIBLE ABOVE THE ORDINARY

Thanks to a new generation of optimized outer diameters, PRYCHARGE EV charging cables are now lighter, more sustainable, and offer enhanced flexibility—making them easier than ever to handle.

COLD RESISTANT

The EV charging cables can be installed in temperatures as low as -40 °C, while maintaining exceptional durability and user-friendly performance in even the harshest conditions.

IMPERVIOUS TO IMPACT

The cross-linked control core concept increases the cables resistance to mechanical impact, giving it a prolonged longevity.



Prycharge EV

OUR PRYCHARGE EV CHARGING CABLES OUTPERFORM THE COMPETITION

Engineering excellence is at the core of every PRYCHARGE EV charging cable. Designed to endure extreme temperature variations and long-term mechanical stress, our cables combine robust durability with exceptional flexibility and ease of use—qualities that are essential for modern electric mobility infrastructure. When it comes to building a reliable and future-proof charging system, Prysmian stands as your trusted partner. Our AC and DC PRYCHARGE EV charging cables are manufactured in full compliance with the latest international standards and the highest quality benchmarks. They not only meet all critical performance criteria—they exceed them. With Prysmian, you're investing in innovation, reliability, and long-term value. It's our commitment to powering the future of mobility—safely and efficiently.

PRYCHARGE EV CHARGING CABLES

Wherever your charging infrastructure is deployed—regardless of climate or conditions—you can count on Prysmian as your trusted partner for high-performance EV charging cables. Our superior AC and DC PRYCHARGE EV cables are fully compatible with all electric and hybrid vehicles on the market and support both commercial and residential charging applications. Designed to meet the highest industry standards, they deliver reliable power with exceptional efficiency.

At the core of our innovation is the EVI-2 cross-linked control core concept, which enables outstanding mechanical strength and long-term durability—even in the harshest environments and most demanding usage scenarios.

Thanks to the relentless engineering efforts of our German R&D team, PRYCHARGE cables feature optimized outer diameters that enhance flexibility and handling without compromising performance. This makes installation and operation easier, even in tight or complex setups.

To meet evolving infrastructure needs, our cables can also be customized to fit specific requirements, including compatibility with older sealing systems and connector generations.

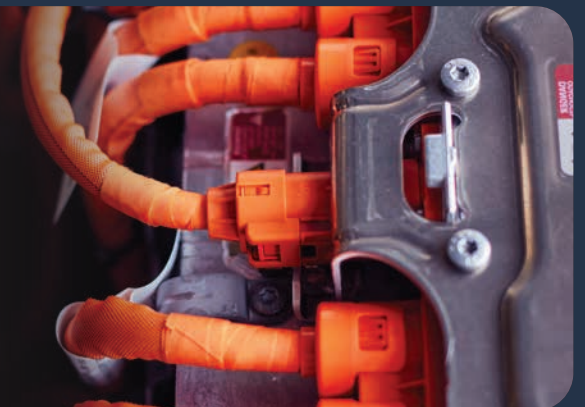
The PRYCHARGE DC cable goes a step further, incorporating a specially developed EVI-2 HEPR cross-linked rubber insulation for the power core. This advanced material ensures exceptional flexibility at low temperatures, extreme durability, and supports conductor operating temperatures and current-carrying capacities of up to 120 °C.

MAIN FEATURES

- Highly flexible thanks to optimised outer diameter
- Installation and handling temperature down to -40 °C
- Impact resistant
- Compatible with all kinds of charging applications
- Extreme reliable control cores inside
- Certified according to:
 - AC: DIN EN 50620 and IEC 62893
 - DC: IEC 62893-4-1, type 62893 IEC 126
 - DC: Conductor operating temperature and current carrying capacity up to 120 °C
- DC: Superior mechanical properties

Prysmian: Total Compatibility

Our cables can charge any type of electrical vehicle and are compatible to all kinds of charging applications.





PRYCHARGE EV H07BZ5-F 450/750 V

AC CHARGING CABLE FOR OPERATING MODE 1 – 3 ACC. TO IEC 61851-1.

EV H07BZ5-F 450/750 V	
Global data	
Brand	PRYCHARGE EV
Type designation	H07BZ5-F
Standard	DIN EN 50620 and IEC 62893
Design features	
Conductor	Bare copper, class 5 acc. to EN/ IEC 60228
Insulation	XLPE, type EVI-2
Core identification	HD 308 S
CC/CP cores	Type EVI-2 for better mechanical properties
Outer sheath	Special TPU type EVM-1
Outer sheath colour	Black, further colours upon request
Electrical parameters	
Rated voltage	450/750 V

EV H07BZ5-F 450/750 V	
Chemical parameters	
Zero halogen, corrosiveness of the combustion gases	DIN EN 50525-1 Annex B
Performance against fire	DIN EN 60332-1-2
Resistance to oil	DIN EN 60811-404
UV-resistance	Yes
Ozone resistance	DIN EN 50396 part 8.1.3
Thermal parameters	
Max. operating temperature of the conductor	90 °C
Ambient temperature in fully flex. operation	min. -40 °C / max. 60 °C
Mechanical parameters	
Max. tensile load on the conductor	15 N/mm²
Bending radii min.	Acc. to VDE 0298-3

EV H07BZ5-F 450/750 V				
Number of cores x cross section	Conductor diameter nom. mm	Outer diameter		Weight (approx. kg/km)
		min. mm	max. mm	
3G2.5 + 1x0.5	1.9	9.2	9.6	130
3G6 + 1x0.5	3.2	12.4	12.8	265
3G35 + 3x0.75	7.8	24.5	25.1	1300
5G2.5 + 1x0.5	1.9	12.1	12.5	215
5G6 + 1x0.5	3.2	15.4	16.0	410
5G10 + 1x0.5	4.0	17.4	18.0	675
5G16 + 1x0.75	5.2	20.7	21.3	960

Other designs upon request.



PRYCHARGE EV S1BZ5-F 1.5 kV DC

DC FAST CHARGING CABLE FOR OPERATING MODE 4 ACC. TO IEC 61851-1.

EV S1BZ5-F 1.5 kV DC	
Global data	
Brand	PRYCHARGE EV
Type designation	S1BZ5-F
Standard	IEC 62893-4-1, type 62893 IEC 126
Design features	
Conductor	Bare copper, class 5 acc. to EN/ IEC 60228
Insulation	HEPR, Type EVI-2
Core identification	IEC 62893-1
CC/CP cores	Type EVI-2 for better mechanical properties
Outer sheath	Special TPU type EVM-1
Outer sheath colour	Black
Electrical parameters	
Rated voltage	600/1000V

EV S1BZ5-F 1.5 kV DC	
Chemical parameters	
Zero halogen, corrosiveness of the combustion gases	DIN EN 50525-1 Annex B, IEC 62821-1
Performance against fire	DIN EN 60332-1-2
Resistance to oil	DIN EN 60811-404
UV-resistance	Yes
Ozone resistance	DIN EN 50396 part 8.1.3
Thermal parameters	
Max. operating temperature of the conductor	90 °C, (2) 120 °C
Ambient temperature in fully flex. operation	min. -40 °C / max. 60 °C
Mechanical parameters	
Max. tensile load on the conductor	15 N/mm²
Bending radii min.	Acc. to VDE 0298-3

EV S1BZ5-F 1.5 kV DC		
Number of cores x cross section	Outer diameter mm	Weight (approx. kg/km)
3G16 + 3x0.75	20	790
2x35 + 1G25 + 3x2x0.75	25	1300
2x50 + 1G25 + 3x2x0.75	28	1740
2x70 + 1G35 + 3x2x0.75	33	2280
4x50 + 1G25 + 4x2x0.75	36	3100

Other designs upon request.

COMMITTED TO SUSTAINABILITY

A SUPER-FAST CHARGING INFRASTRUCTURE

"As the world leader in the cable systems industry, we feel obliged to constantly be part of improving solutions for future green energy consumption."

Jan Floetotto, Product Manager, Prysmian Germany

Consumers want to feel reassured that charging stations are as easy to find and use as gas pumps. Hence, Prysmian is supporting the European Combined Charging System (CCS) as the global standard for charging electric vehicles. By offering the best EV charging cables on the market, we are able to back up the ultra-fast CCS-standard charging infrastructure enabling EVs to replenish for up to 400 km of range in only 15 minutes with powers ranging from 150 kW to 350 kW. The CCS standard enables all EV drivers to use one unified system for both AC and DC charging, covering everything from standard to ultra-fast charging modes.

Do you want to know more?
Visit our website: nl.prysmian.com



The Planet's Pathways

As the worldwide leader in the cable industry, Prysmian believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities.

With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through three renowned commercial brands – Prysmian, Draka and General Cable – based in almost 50 countries, we're constantly close to our customers, enabling them to further develop the world's energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium and high voltage.

In telecoms, Prysmian is a leading manufacturer of all types of copper and fibre cables, systems and accessories – covering voice, video and data transmission.

Drawing on over 130 years' experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry

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