



Pushing Performance  
Since 1945

# HARTING solutions for e-mobility

Charging at home

Fast charging

Charging  
mobile work equipment

AC Mode-3 charging cable

AC solutions for  
wallboxes & charging stations

DC fast charging cable

Further solutions for  
wallboxes & charging stations

Charging at  
public charging stations





### AC Mode-3 charging cable

HARTING offers straight and coiled Mode-3 charging cables for mobile charging at public charging stations. These cables are available in different lengths.

- Versions with type-2 plugs (IEC standard)
- Version with type-GB/T plugs (GB/T-Standard).
- Customised versions, e.g. type-1 to type-2 (SAE to IEC standard).



### Features and benefits



Ergonomic and functional design that fits well in the hand.



High product quality due to many years of experience in the field of charging cable production.



Approval for all common standards and requirements worldwide.



Local and European production sites meet price and volume expectations.



Large product portfolio with different cable lengths and cable types.









VW Group Award 2020 winner for first-class service in the OEM business.



Design and layout (logo, colour, length, etc.) can be adapted.

## Product overview of AC Mode-3 charging cables

	Image	Description	Charging power	Current	Length	Part no.
Cable type straight		Mode-3 charging cable type 2	up to 7.4 kW	32 A	2.5 m 5.0 m 7.5 m 10.0 m	08 91 409 0116 A0 08 91 409 0107 A0 08 91 409 0108 A0 08 91 409 0113 A0
		Mode-3 charging cable type 2	up to 11.0 kW	20 A	2.5 m 5.0 m 7.5 m 10.0 m	08 91 409 0114 A0 08 91 409 0105 A0 08 91 409 0106 A0 08 91 409 0111 A0
		Mode-3 charging cable type 2	up to 22.0 kW	32 A	2.5 m 5.0 m 7.5 m 10.0 m	08 91 409 0115 A0 08 91 409 0109 A0 08 91 409 0102 A0 08 91 409 0112 A0
		Mode-3 charging cable type 2 to type 1	up to 7.2 kW	32 A	5.0 m 7.5 m	08 91 409 0202 A0 08 91 409 0201 A0
Cable type coil		Mode-3 charging cable type 2	up to 11.0 kW	20 A	5.0 m	08 91 409 0301 A0
		Mode-3 charging cable type 2	up to 22.0 kW	32 A	5.0 m	08 91 409 0302 A0



### AC solutions for wallboxes & charging stations

In addition to individually configurable Mode-4 charging cables with open ends, HARTING also offers charging sockets and plug holders. Like the charging cables themselves, the cable connections of the charging socket can also be individually designed.

■ Charging cable version available in all worldwide common standards.

■ Available in different lengths.  
 ■ Charging power up to max. 22 kW.



### Characteristics and benefits



Ergonomic and functional design that fits well in the hand.



High product quality due to many years of experience in the field of charging cable production.



Approval for all common standards and requirements worldwide.



Local and European production sites meet price and volume expectations.



Large product portfolio with different cable lengths and cable types.



VW Group Award 2020 winner for first-class service in the OEM business.



Two hands are not required to open the charging socket hinged cover (one-hand operation).



Design and layout (logo, colour, length, etc.) can be adapted.

AC Mode-3 charging cable

AC solutions for wallboxes & charging stations

DC fast charging cable

Further solutions for charging stations & wallboxes



## Product overview of AC solutions for wallboxes and charging stations (IEC standard)





	Description	*Charging power	Current	Length	Part no.
Cable ends 200 mm stripped**	Charging cable type-2 straight with open cable end 	up to 7.4 kW	32 A	4.0 m	88 11 408 0088 80 A1
				4.5 m	88 11 458 0088 80 A1
				5.0 m	88 11 508 0088 80 A1
				5.5 m	88 11 558 0088 80 A1
				6.0 m	88 11 608 0088 80 A1
				6.5 m	88 11 658 0088 80 A1
				7.0 m	88 11 708 0088 80 A1
				7.5 m	88 11 758 0088 80 A1
				8.0 m	88 11 808 0088 80 A1
	Charging cable type-2 straight with open cable end 	up to 11.0 kW	20 A	4.0 m	88 03 408 8888 80 A1
				4.5 m	88 03 458 8888 80 A1
				5.0 m	88 03 508 8888 80 A1
5.5 m				88 03 558 8888 80 A1	
6.0 m				88 03 608 8888 80 A1	
6.5 m				88 03 658 8888 80 A1	
7.0 m				88 03 708 8888 80 A1	
8.0 m				88 03 808 8888 80 A1	
Charging cable type-2 straight with open cable end 	up to 22.0 kW	32 A	4.0 m	88 13 408 8888 80 A1	
			4.5 m	88 13 458 8888 80 A1	
			5.0 m	88 13 508 8888 80 A1	
			5.5 m	88 13 558 8888 80 A1	
			6.0 m	88 13 608 8888 80 A1	
			6.5 m	88 13 658 8888 80 A1	
			7.0 m	88 13 708 8888 80 A1	
			8.0 m	88 13 808 8888 80 A1	
Cable ends, cut blunt	Charging cable type-2 straight with open cable end 	up to 7.4 kW	32 A	4.0 m	88 11 400 0000 00 A1
				4.5 m	88 11 450 0000 00 A1
				5.0 m	88 11 500 0000 00 A1
				5.5 m	88 11 550 0000 00 A1
				6.0 m	88 11 600 0000 00 A1
				6.5 m	88 11 650 0000 00 A1
				7.0 m	88 11 700 0000 00 A1
				7.5 m	88 11 750 0000 00 A1
				8.0 m	88 11 800 0000 00 A1

\*4.7 kW cable on request

\*\*also available with wire ferrules on request

	Description	*Charging power	Current	Length	Part no.
Cable ends, cut blunt	Charging cable type-2 straight with open cable end 	up to 11.0 kW	20 A	4.0 m	88 03 400 0000 00 A1
				4.5 m	88 03 450 0000 00 A1
				5.0 m	88 03 500 0000 00 A1
				5.5 m	88 03 550 0000 00 A1
				6.0 m	88 03 600 0000 00 A1
				6.5 m	88 03 650 0000 00 A1
				7.0 m	88 03 700 0000 00 A1
				7.5 m	88 03 750 0000 00 A1
				8.0 m	88 03 800 0000 00 A1
	Charging cable type-2 straight with open cable end 	up to 22.0 kW	32 A	4.0 m	88 13 400 0000 00 A1
				4.5 m	88 13 450 0000 00 A1
				5.0 m	88 13 500 0000 00 A1
				5.5 m	88 13 550 0000 00 A1
				6.0 m	88 13 600 0000 00 A1
				6.5 m	88 13 650 0000 00 A1
				8.0 m	88 13 800 0000 00 A1
Charging sockets and plug holders	Charging socket, type-2 - motor locking 	up to 22.0 kW	32 A		<a href="#">61 13 213 0371</a>
	Charging socket, type-2 - magnetic locking 	up to 22.0 kW	32 A		<a href="#">61 13 213 0381</a>
	Plug holder type-2 				<a href="#">61 13 213 0401 00</a>

## Product overview of AC solutions for wallboxes and charging stations (SAE standard)

	Image	Description	Charging power	Current	Length	Part no.
Cable ends 200 mm stripped**		Charging cable type-1 straight with open cable end	up to 4 kW	16 A	4.0 m	88 21 408 0088 80 A1
					4.5 m	88 21 458 0088 80 A1
					5.0 m	88 21 508 0088 80 A1
					5.5 m	88 21 558 0088 80 A1
					6.0 m	88 21 608 0088 80 A1
					6.5 m	88 21 658 0088 80 A1
					7.0 m	88 21 708 0088 80 A1
	7.5 m	88 21 758 0088 80 A1				
	8.0 m	88 21 808 0088 80 A1				
		Charging cable type-1 straight with open cable end	up to 10 kW	41 A	4.0 m	88 31 408 0088 80 A1
					4.5 m	88 31 458 0088 80 A1
					5.0 m	88 31 508 0088 80 A1
					5.5 m	88 31 558 0088 80 A1
					6.0 m	88 31 608 0088 80 A1
6.5 m					88 31 658 0088 80 A1	
7.0 m					88 31 708 0088 80 A1	
7.5 m	88 31 758 0088 80 A1					
8.0 m	88 31 808 0088 80 A1					
Cable ends, cut blunt		Charging cable type-1 straight with open cable end	up to 4 kW	16 A	4.0 m	88 21 400 0000 00A1
					4.5 m	88 21 450 0000 00A1
					5.0 m	88 21 500 0000 00A1
					5.5 m	88 21 550 0000 00A1
					6.0 m	88 21 600 0000 00A1
					6.5 m	88 21 650 0000 00A1
					7.0 m	88 21 700 0000 00A1
	7.5 m	88 21 750 0000 00A1				
	8.0 m	88 21 800 0000 00A1				
		Charging cable type-1 straight with open cable end	up to 10 kW	41 A	4.0 m	88 31 400 0000 00A1
					4.5 m	88 31 450 0000 00A1
					5.0 m	88 31 500 0000 00A1
					5.5 m	88 31 550 0000 00A1
					6.0 m	88 31 600 0000 00A1
6.5 m					88 31 650 0000 00A1	
7.0 m					88 31 700 0000 00A1	
7.5 m	88 31 750 0000 00A1					
8.0 m	88 31 800 0000 00A1					

\*\*also available with wire ferrules on request

## Product overview of AC solutions for wallboxes and charging stations (GB/T standard)

Description		Charging power	Current	Length	Part no.	Description		Charging power	Current	Length	Part no.
Cable ends 200 mm stripped**	Charging cable GB/T, straight with open cable end 	up to 4.0 kW	20 A	4.0 m	88 41 408 0088 80 A1	Charging cable GB/T, straight with open cable end 	up to 4.0 kW	20 A	4.0 m	88 41 400 0000 00 A1	
				4.5 m	88 41 458 0088 80 A1				4.5 m	88 41 450 0000 00 A1	
				5.0 m	88 41 508 0088 80 A1				5.0 m	88 41 500 0000 00 A1	
				5.5 m	88 41 558 0088 80 A1				5.5 m	88 41 550 0000 00 A1	
				6.0 m	88 41 608 0088 80 A1				6.0 m	88 41 600 0000 00 A1	
				6.5 m	88 41 658 0088 80 A1				6.5 m	88 41 650 0000 00 A1	
				7.0 m	88 41 708 0088 80 A1				7.0 m	88 41 700 0000 00 A1	
				7.5 m	88 41 758 0088 80 A1				7.5 m	88 41 750 0000 00 A1	
	8.0 m	88 41 808 0088 80 A1	8.0 m	88 41 800 0000 00 A1							
	Charging cable GB/T, straight with open cable end 	up to 12.2 kW	20 A	4.0 m	88 43 408 8888 80 A1	Charging cable GB/T, straight with open cable end 	up to 12.2 kW	20 A	4.0 m	88 43 400 0000 00 A1	
				4.5 m	88 43 458 8888 80 A1				4.5 m	88 43 450 0000 00 A1	
				5.0 m	88 43 508 8888 80 A1				5.0 m	88 43 500 0000 00 A1	
				5.5 m	88 43 558 8888 80 A1				5.5 m	88 43 550 0000 00 A1	
				6.0 m	88 43 608 8888 80 A1				6.0 m	88 43 600 0000 00 A1	
				6.5 m	88 43 658 8888 80 A1				6.5 m	88 43 650 0000 00 A1	
				7.0 m	88 43 708 8888 80 A1				7.0 m	88 43 700 0000 00 A1	
7.5 m				88 43 758 8888 80 A1	7.5 m				88 43 750 0000 00 A1		
8.0 m	88 43 808 8888 80 A1	8.0 m	88 43 800 0000 00 A1								
Charging cable GB/T, straight with open cable end 	up to 8.0 kW	32 A	4.0 m	88 51 408 0088 80 A1	Charging cable GB/T, straight with open cable end 	up to 8.0 kW	32 A	4.0 m	88 51 400 0000 00 A1		
			4.5 m	88 51 458 0088 80 A1				4.5 m	88 51 450 0000 00 A1		
			5.0 m	88 51 508 0088 80 A1				5.0 m	88 51 500 0000 00 A1		
			5.5 m	88 51 558 0088 80 A1				5.5 m	88 51 550 0000 00 A1		
			6.0 m	88 51 608 0088 80 A1				6.0 m	88 51 600 0000 00 A1		
			6.5 m	88 51 658 0088 80 A1				6.5 m	88 51 650 0000 00 A1		
			7.0 m	88 51 708 0088 80 A1				7.0 m	88 51 700 0000 00 A1		
			7.5 m	88 51 758 0088 80 A1				7.5 m	88 51 750 0000 00 A1		
8.0 m	88 51 808 0088 80 A1	8.0 m	88 51 800 0000 00 A1								
Charging cable GB/T, straight with open cable end 	up to 24.4 kW	32 A	4.0 m	88 53 408 8888 80 A1	Charging cable GB/T, straight with open cable end 	up to 24.4 kW	32 A	4.0 m	88 53 400 0000 00 A1		
			4.5 m	88 53 458 8888 80 A1				4.5 m	88 53 450 0000 00 A1		
			5.0 m	88 53 508 8888 80 A1				5.0 m	88 53 500 0000 00 A1		
			5.5 m	88 53 558 8888 80 A1				5.5 m	88 53 550 0000 00 A1		
			6.0 m	88 53 608 8888 80 A1				6.0 m	88 53 600 0000 00 A1		
			6.5 m	88 53 658 8888 80 A1				6.5 m	88 53 650 0000 00 A1		
			7.0 m	88 53 708 8888 80 A1				7.0 m	88 53 700 0000 00 A1		
			7.5 m	88 53 758 8888 80 A1				7.5 m	88 53 750 0000 00 A1		
8.0 m	88 53 808 8888 80 A1	8.0 m	88 53 800 0000 00 A1								

\*\*also available with wire ferrules on request











### DC fast charging cable

In the area of direct current applications, HARTING covers a wide range of applications up to 250 kW peak load with the different variants of the CCS type-2 charging cable. The ergonomic design ensures the very best handling.

- Increased sealing properties due to special potting technology.
- Charging cable available in different lengths.





### Features and benefits


-  Ergonomic and functional design that fits well in the hand.
-  Tested according to IEC 62196.
-  Large product portfolio with different cable lengths and cable types.
-  Special potting technology prevents direct water ingress between cable entry and plug housing.
-  High product quality due to many years of experience in the field of charging cable production.
-  Local and European production sites meet price and volume expectations.
-  VW Group Award 2020 winner for first-class service in the OEM business.
-  Design and layout (logo, colour, length, etc.) can be adapted.



## Product overview of DC fast charging cable

Image		Description	Charging power	Current	Length	Part no.
Cable end 220 mm stripped		DC charging cable CCS type-2 straight with open cable end Cable design: $3 \times 16 \text{ mm}^2 + 3 \times 2 \times 0.75 \text{ mm}^2$	80 kW	80 A	3.0m	08 91 904 1030 A0
					3.5m	08 91 904 1035 A0
					4.0m	08 91 904 1040 A0
					4.5m	08 91 904 1045 A0
					5.0m	08 91 904 1050 A0
					5.5m	08 91 904 1055 A0
					6.0m	08 91 904 1060 A0
					6.5m	08 91 904 1065 A0
					7.0m	08 91 904 1070 A0
					7.5m	08 91 904 1075 A0
	8.0m	08 91 904 1080 A0				
	8.5m	08 91 904 1085 A0				
	9.0m	08 91 904 1090 A0				
	9.5m	08 91 904 1095 A0				
	10.0m	08 91 904 1100 A0				
		DC charging cable CCS type-2 straight with open cable end Cable design: $2 \times 50 \text{ mm}^2 + 25 \text{ mm}^2 + 3 \times 2 \times 0.75 \text{ mm}^2$	200 kW	200 A	3.0m	08 91 902 1030 A0
					3.5m	08 91 902 1035 A0
					4.0m	08 91 902 1040 A0
					4.5m	08 91 902 1045 A0
					5.0m	08 91 902 1050 A0
5.5m					08 91 902 1055 A0	
6.0m					08 91 902 1060 A0	
6.5m					08 91 902 1065 A0	
7.0m					08 91 902 1070 A0	
7.5m					08 91 902 1075 A0	
8.0m	08 91 902 1080 A0					
8.5m	08 91 902 1085 A0					
9.0m	08 91 902 1090 A0					
9.5m	08 91 902 1095 A0					
10.0m	08 91 902 1100 A0					

## Product overview of DC fast charging cable

Image		Description	Charging power	Current	Length	Part no.
Cable end 220 mm stripped		DC charging cable CCS type-2 straight with open cable end Cable design: $2 \times 70 \text{ mm}^2 + 35 \text{ mm}^2 + 3 \times 2 \times 0.75 \text{ mm}^2$	250 kW	250 A	3.0 m	08 91 901 1030 B0
					3.5 m	08 91 901 1035 B0
					4.0 m	08 91 901 1040 B0
					4.5 m	08 91 901 1045 B0
					5.0 m	08 91 901 1050 B0
					5.5 m	08 91 901 1055 B0
					6.0 m	08 91 901 1060 B0
					6.5 m	08 91 901 1065 B0
					7.0 m	08 91 901 1070 B0
					7.5 m	08 91 901 1075 B0
					8.0 m	08 91 901 1080 B0
8.5 m	08 91 901 1085 B0					
9.0 m	08 91 901 1090 B0					
9.5 m	08 91 901 1095 B0					
10.0 m	08 91 901 1100 B0					



### Further solutions for wallboxes & charging stations

In addition to charging cables and charging sockets, HARTING offers a wide portfolio of additional components that can be used in the charging station or wallbox sector.

- Wide range of **PCB connectors**, based on years of market and application experience.
- Single Pair Ethernet** communication for fast data exchange between charging station and peripherals.
- Ethernet switches** and corresponding patch cables – for easiest network integration.
- A wide range of **industrial connectors** to support a modular production approach help simplify installation and commissioning.
- Customised product modification** to meet individual requirements.

### Customer-specific solutions

HARTING provides a variety of customer-specific solutions that enable the greatest possible degree of flexibility for the customer in the field of charging infrastructure.

- Customised infrastructure solutions for energy, signal and data transmission.
- Design of the complete development and validation process in close cooperation with the end customer.
- Creation of individual test equipment to meet the highest requirements.
- Customised design of subcomponents, charging cables and charging sockets.
- National and international solution certification by in-house accredited laboratory.






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