

## Cable Mode3 Type2 20A 3ph 5m spiral



Image is for illustration purposes only. Please refer to product description.

Part number	08 91 409 0301 A0
Specification	Cable Mode3 Type2 20A 3ph 5m spiral
HARTING eCatalogue	<a href="https://b2b.harting.com/08914090301A0">https://b2b.harting.com/08914090301A0</a>

### Identification

Element	Charging cable
Specification	Spiralised
Charging mode	Mode 3
Connector 1	Type 2 Female (Vehicle side)
Connector 2	Type 2 Male (infrastructure side)

### Version

Cable length	5 m
Termination method	Crimp termination
Core structure	5x 2.5 mm <sup>2</sup> + 0.5 mm <sup>2</sup>
Number of phases	3
Number of contacts	7
Number of signal contacts	2
Number of power contacts	5
Contact configuration	Signal: CP, PP Power: L1, L2, L3, N, PE

### Technical characteristics

Rated current (signal)	2 A
Rated voltage (signal)	30 V
Rated current (power)	20 A
Rated voltage (power)	480 V



Pushing Performance

## Technical characteristics

Type of current	AC
Charging power	11 kW
Coding resistance	680 $\Omega$ between PE and PP
Ambient temperature	-30 ... +50 °C in operation -40 ... +80 °C storage/transport
Air pressure	$\geq$ 540 hPa $\approx$ 5000 m
Insertion force	<100 N
Withdrawal force	<100 N
Mating cycles	$\geq$ 10,000
Degree of protection acc. to IEC 60529	IP44 mated condition
Cable diameter	12.8 mm $\pm$ 0.4 mm
Minimum bending radius	9x Cable diameter (repeated bending)
Conductor resistance @ 20 °C	$\leq$ 7.98 $\Omega$ /km @ 2.5 mm <sup>2</sup> $\leq$ 39 $\Omega$ /km @ 0.5 mm <sup>2</sup>

## Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Silver plated
Material (hood/housing)	Polyamide (PA)
Colour (hood/housing)	Black
Material (cover)	Thermoplastic polyurethane (TPU)
Material (cable)	Thermoplastic polyurethane (TPU)
Colour (cable)	Black
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead



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## Material properties

California Proposition 65 substances	Yes
California Proposition 65 substances	Lead

## Specifications and approvals

Specifications	IEC 62196-2
	IEC 62893
CE	Yes

## Commercial data

Packaging size	1
Net weight	4 kg
Country of origin	Romania
European customs tariff number	85444991
eCl@ss	27144705 Charging cable E-Mobility