

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	https://b2b.harting.com/08914090301A0

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
Core structure	5x 2.5 mm ² + 0.5 mm ²
Termination method	Crimp termination
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



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Technical characteristics

Type of current	AC
Charging power	11 kW
Coding resistance	680 Ω 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 Ω /km @ 2.5 mm ² \leq 39 Ω /km @ 0.5 mm ²

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	Not contained
REACH ANNEX XIV substances	Not contained
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	3 kg
Country of origin	Romania
European customs tariff number	85444290
GTIN	5713140277519
eCl@ss	27144705 Charging cable E-Mobility