

Charging Cable Mode 2 Type 2 16A 8m VDE

for charging electric vehicles

Part number: 35203100068



MENNEKES
Stecker GmbH & Co. KG

Aloys-Mennekes-Straße 1
57399 Kirchhundem
GERMANY

www.MENNEKES.org

Charging cable Mode 2

Plug device on vehicle side (female)	type 2
Plug device on infrastructure side (male)	CEE16/3
Charging mode	Mode 2
Standard of the charging mode	IEC 61851-1
Standard of the plug device for the vehicle side	IEC 62196-1
Standard of the plug device for the infrastructure side	IEC 60309
Signal transmission type	Pulse width modulation
Rated voltage UN [V] AC	250
Nominal frequency fN [Hz]	50
Rated current IN [A]	16
Number of phases	1
Number of signal contacts (CP;PP)	2
Surface material of the contacts	silver-coated
Rated current of the signal contacts [A]	2
Rated voltage of the signal contacts [V]	30
Resistor coding in [Ω] including tolerance	680 \pm 3%
Mating cycles	>10,000
Insertion force [N]	<100
Pulling force [N]	<100
Protection class (unmated)	IP20
Protection class (mated)	IP44
Protection class protective cap	IP44

Cable data vehicle side

Cable standards / regulations	DIN EN 50620
Cable Type	EVC H07BZ5-F
Cable bending radius static [mm]	$\geq 4 \times D$
Cable bending radius dynamic [mm]	$\geq 7,5 \times D$
Cable structure [quantity x mm ²]	3x 2.5
Cable certification	VDE
Cable type	straight

Cable data vehicle side

Color of the outer sheath	sky blue (similar RAL 5015)
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Cable data infrastructure side

Cable standards / regulations	DIN EN 50620
Cable Type	EVC H07BZ5-F
Cable bending radius static [mm]	≥4x D
Cable bending radius dynamic [mm]	≥7,5x D
Cable structure [quantity x mm ²]	3x 2.5
Cable certification	VDE
Cable type	straight
Color of the outer sheath	sky blue (similar RAL 5015)

Environment Conditions

Minimal ambient temperature operation [°C]	-40
Maximal ambient temperature operation [°C]	50
Minimal ambient temperature storage / transport [°C]	-40
Maximal ambient temperature storage / transport [°C]	75

Dimensions

Dimensions of the vehicle charging plug L x B x H [mm]	159 x 70 x 63
Dimensions of the infrastructure charging plug L x B x H [mm]	149 x 55 x 61
Cable length vehicle side [mm] (L2)	7,160
Cable length infrastructure side [mm] (L1)	300
Overall length [mm]	8,000

Plastic components

Housing material	PA 6 + TPE
Housing colour	sky blue (similar RAL 5015)
Protection cap material	TPU
Protection cap colour	black (similar RAL 9005)

Plastic components

Coupler front part colour	black (similar RAL 9005)
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ICCPD-Module

Standard of the ICCPD-Module	IEC 62752
Dimensions of the ICCPD L x W x H [mm]	232 x 89 x 49
Protection class ICCPD module	IP69k
Type FI switch	A
Multi-level temperature management	yes
Automatic charging current reduction in case of overheating of the tool side connector or the IC-CPDs module	yes
Colour infrastructure plug	black (similar RAL 9005)
Colour ICCPD module	sky blue (similar RAL 5015)

Dimensional drawing

