



## CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires IEC 60228 (tinned conductor on request)
Insulation	Special compound type EVI-2 according to IEC 62893-1
Outer Sheath	Special compound type EVM-1, as specified in IEC 62893-1
Color	Black (other colors available on request)

## MAIN CHARACTERISTICS

Construction	IEC 62893-4-1
Guide to Use	IEC 62440
General Requirements	IEC 62821-1, IEC 62893-1
Electrical Tests	IEC 62893-2, IEC 60245-2, IEC 60227-2
Non-electrical Tests	IEC 62893-1, IEC 60245-2
Assessment of Halogens	IEC 62821-1
Conductor Resistance	IEC 60228
Flame Retardant	IEC 60332-1-2
Oil Resistance	IEC 60811-404
Weathering/UV Resistance	IEC 62893-2
Water Resistance	IEC 62893-2
Tear Resistance	IEC 62893-2
Ozon Resistance	IEC 62893-1
Resistance against chemicals	IEC 62893-2
Charging Mode	IEC 61851-1
Core Identification	IEC 62893-4-1

## OPERATING CHARACTERISTICS

Rated Voltage DC	1,5 kV	Min. Installation Temperature	-25°C
Rated Voltage AC	0,6/1 kV	Max. Storage Temperature	45°C
Operating Temperature	-40°C to +90°C	Min. Bending Radius	EN 50565-1 Tab.3
Conductor Operating Temperature	Max. 90°C	Free movement D≤12 mm	5 x D mm
<b>Conductor Short-circuit Temperature</b>		Free movement D>12 mm	6 x D mm
Bare Copper	250°C (Max. 5 s)	Current Carrying Capacities	IEC 60364-5-52
Tinned Copper	200°C (Max. 5 s)		

Number of cores x cross section (mm <sup>2</sup> )	Insulation Thickness nom. (mm)	Outer Sheath Thickness nom. (mm)	Outer Sheath Diameter min. (mm)	Outer Sheath Diameter max. (mm)	App. Weight (kg/km)	Min. Bending Radius Free Movement (mm)
2x50+1G25+4x(2x0,75)	1,1 - 1 - 0,4	2,2	27,9	34,8	1595	209
2x70+1G35+4x(2x0,75)	1,2 - 1 - 0,4	2,5	32,6	40,7	2220	244
4x50+1G25+4x(2x0,75)	1,1 - 1 - 0,4	2,7	36	41	2845	246

\*Other conductors and cross-section available on request.

## APPLICATION

These cables suitable for trailing EV plug connections to vehicle. The charging cables are applicable for charging mode 4 of EN 61851-1.



FLAME RETARDANT



OIL RESISTANT



UV RESISTANT



WEATHER RESISTANT



WATER RESISTANT



TEAR RESISTANT