

## Multi-standard Charging Cable for Electric Vehicles

H07BZ5-F/ IEC 123/EV- EYU

3 G 2.5 mm<sup>2</sup> + 0.5 mm<sup>2</sup>

Specification: EN 50620  
IEC 62893  
GT/B 33594

### Cores 2.5 mm<sup>2</sup>

Conductor material: E-Cu ETPI according  
DIN EN 13602

Conductor design: stranded bare copper  
nom. 45 x max. 0.26 mm,  
Class 5 according to EN/ IEC  
60228 and GB/T 3956

Core insulation: EPR crosslinked, type EVI-2 / EY

Core diameter: 3.6 mm (± 0.2)

Insulation wall thickness: min. 0,53 mm

Colour code: green-yellow, blue, brown

### Pilot core 0.5 mm<sup>2</sup>

Conductor material: E-Cu ETPI according  
DIN EN 13602, Class 5 according  
to EN/ IEC 60228 and GB/T 3956

Conductor design: stranded bare copper  
nom. 15 x max. 0.21 mm

Core insulation: EPR crosslinked, type EVI-2 / EY

Core diameter: 1.9 mm (± 0.2)

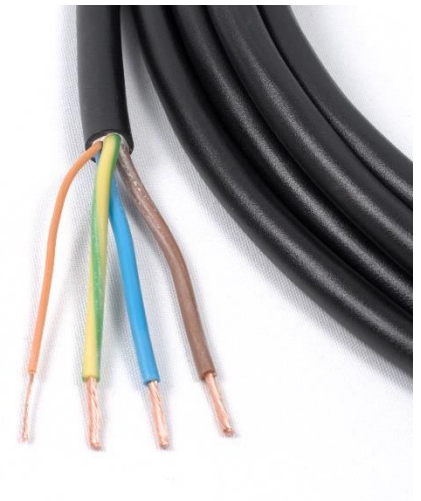
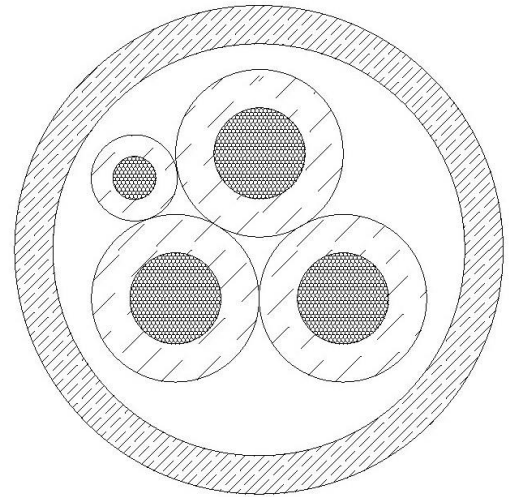
Insulation wall thickness: min. 0,35 mm

Colour code: orange

### Stranding

Assembly: 3 cores 2.5 mm<sup>2</sup> +  
1 core 0.5 mm<sup>2</sup>

Colour code: green-yellow, blue, brown  
pilot core 0.5 mm<sup>2</sup> in the outer  
space between green-yellow and blue



## Outer sheath

Sheath material:	PUR, type EVM-1 / U
- Inner layer:	free of halogen, flame retardant foamed, colour white
-Outer layer:	solid
Outer diameter:	10.2 mm ( $\pm$ 0.3)
Wall thickness:	min. 0,83 mm
Colour code:	dull surface

## Electrical properties

Conductor resistance:	max. 7.98 Ohm/km (2.5 mm <sup>2</sup> )
(DC, 20°C)	max. 39 Ohm/km (0.5 mm <sup>2</sup> )
Test voltage: (1 min.)	eff. 2.5 kVolt
Nominal voltage:	max. 450 / 750 Volt

## Thermal properties

Operating temperature:	-40 °C to +90 °C
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## Mechanical properties

Bend radius:	
Unfixed installation:	min. 6 x cable diameter
Weight of cable:	approx. 135 kg/km

## Further Requirements

Odor characteristic:	according to VDA 270
Flame retardancy:	according to. EN 60332-1-2 / IEC 60332-1-2/ GB/T 18380.12
Free of halogen:	acc. to EN 50525-1, Annex B / IEC 62821-1, Annex B / GB/T 33594

Resistance against acid and alkaline solution: according to. EN 60811-404

Resistance against chemicals: according to EN 50620, Annex D