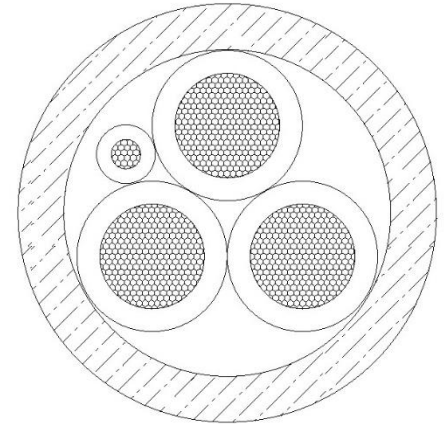


# Multi-standard Charging Cable for Electric Vehicles

H07BZ5-F/ IEC 123/ EV-EYU

3 G 6.0 mm<sup>2</sup> + 0.5 mm<sup>2</sup>

Specification: EN 50620  
 IEC 62893  
 GT/B 33594



## Cores 6.0 mm<sup>2</sup>

Conductor material: E-Cu ETPI according  
 DIN EN 13602  
 stranded bare copper

Conductor design: nom. 77 x max. 0.31 mm,  
 Class 5 according to EN/ IEC  
 60228 and GB/T 3956

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

Core diameter: 4.6 mm (± 0.2)

Insulation wall thickness: nom. 0.7 mm / 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: nom. 0,43 mm / min. 0.35 mm

Colour code: orange

## Stranding

Assembly: 3 cores 6.0 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 free of halogen, flame retardant
Inner layer:	foamed, colour white
Outer layer:	solid
Outer diameter:	12.8 mm ( $\pm$ 0.3)
Wall thickness:	nom. 1.4 mm / min. 0.92 mm
Colour code:	black, dull surface

## Electrical properties

Conductor resistance:	max. 3.3 Ohm/km (6.0 mm <sup>2</sup> )
(DC, 20°C)	max. 39 Ohm/km (0.5 mm <sup>2</sup> )
Test voltage:	eff. 2.5 kVolt
(1 min.)	
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. 260 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