

AHEX/AHEX-BS

A: Low-voltage cables for automobile H: Heat resistant E: Polyethylene X: Cross-linked BS: Braided shield

Application

Power cable for HEV automobiles.

Standards/Specification

ES 91104-00



Construction

- ① Conductor: Tin plated copper
- ② Insulation: Halogen free Cross-linked polyethylene
- ③ Braided: Shield Tin plated copper or annealed copper
- ④ Sheath: Lead free polyvinyl chloride

Product Features

Rated Voltage: 600 V

Temperature Range: -45°C to 125°C

High voltage cable for EV/HEV

Excellent shield effect and flexibility

Environmentally-friendly materials : Halogen free XLPE insulation, Lead free PVC sheath

Technical Data

Construction	Conductors		Insulation Diameter (mm)	Shield Rate	Overall Diameter (mm)	Conductors Resistance (Ω/km)
	Construction (No./mm)	Outer Diameter (mm)				
3	65/0.26	2.4	3.8 ± 0.25	90	5.3 ± 0.3	5.65
5	65/0.32	3.0	4.6 ± 0.3	90	6.9 ± 0.4	3.72
8	154/0.26	4.0	5.6 ± 0.3	90	7.9 ± 0.4	2.43
10	189/0.26	4.5	6.5 ± 0.3	90	9.0 ± 0.4	1.98
12	154/0.32	5.0	7.0 ± 0.3	90	9.8 ± 0.4	1.52
15	171/0.32	5.3	7.5 ± 0.3	90	10.3 ± 0.45	1.44
20	247/0.32	6.5	8.7 ± 0.3	90	11.5 ± 0.45	1.00
25	323/0.32	7.4	10.2 ± 0.4	90	13.0 ± 0.5	0.76
30	361/0.32	7.8	10.6 ± 0.4	90	13.4 ± 0.5	0.68
35	437/0.32	8.6	11.4 ± 0.4	90	15.2 ± 0.55	0.54
40	494/0.32	9.1	11.9 ± 0.4	90	15.7 ± 0.55	0.52
50	608/0.32	10.1	13.3 ± 0.45	90	17.1 ± 0.6	0.42