

HEB/HDEB

HD: Heavy Duty E: Grounding B: Bond

Application

Wires used in low voltage circuits for battery for automobiles (vehicles and motorcycles).

Standards/Specification

JASO D611-09



Construction

- ① Conductor: Stranded, bare copper
- ② Insulation: PVC

Product Features

Rated temperature: -40°C to 80°C

Rated voltage: 25VA and 60 VDC

Technical Data

Nominal Size (mm ²)	Conductors			Conductors Resistance (Ω/km)	Insulation Thickness		Finished Outside Diameter	
	Construction (No./mm)	calculated area (mm ²)	Outer Diameter (mm)		Standard (mm)	Min. (mm)	Standard (mm)	Max. (mm)
2f	37/0.26	1.964	1.8	9.50	0.60	0.48	3.0	3.4
3f	58/0.26	3.079	2.3	6.06	0.70	0.56	3.7	4.0
3f	61/0.26	3.239	2.4	5.76	0.70	0.56	3.8	4.1
5f	7/9/0.32	5.067	3.1	3.71	0.80	0.64	4.7	5.0
5f	7/30/0.18	5.344	3.4	3.56	0.80	0.64	5.0	5.3
8f	7/22/0.26	8.176	4.2	2.32	0.90	0.72	6.0	6.3
9f	7/16/0.32	9.008	4.2	2.09	1.00	0.80	6.2	6.5
10f	19/6/0.32	9.168	4.2	2.05	1.00	0.80	6.2	6.5
10	62/0.45	9.861	4.1	1.87	0.90	0.72	5.9	6.2
10	63/0.45	10.02	4.5	1.84	1.00	0.80	6.5	6.9
10	7/9/0.45	10.02	4.5	1.84	1.00	0.80	6.5	6.9
15f	19/9/0.32	13.75	5.3	1.37	1.10	0.88	7.5	8.0
20f	19/13/0.32	19.86	6.5	0.946	1.10	0.88	8.7	9.3
30f	19/19/0.32	29.03	7.8	0.647	1.40	1.12	10.6	11.3
40f	19/26/0.32	39.73	9.1	0.473	1.40	1.12	11.9	12.6
50f	19/32/0.32	48.90	10.1	0.384	1.60	1.28	13.3	14.1
60f	19/39/0.32	59.59	11.1	0.315	1.60	1.28	14.3	15.1
85f	19/56/0.32	85.57	13.1	0.220	2.00	1.60	17.1	18.1
100f	19/71/0.32	108.5	14.9	0.173	2.00	1.60	18.9	19.9

The "f" in the nominal size column indicates a flexible conductor with a fine wire diameter.