

H07ZZ-F Flexible Mains and Control Cable - 1mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
3182ZH1	1	2	32/0.20	10	7.7	90
3183ZH1	1	3	32/0.20	10.7	8.3	110
3184ZH1	1	4	32/0.20	11.9	9.2	136
3185ZH1	1	5	32/0.20	13.1	10.2	168
3181ZH1/5	1.5	1	32/0.25	7.1	5.7	50
3182ZH1/5	1.5	2	32/0.25	11.0	8.5	109
3183ZH1/5	1.5	3	32/0.25	11.9	9.2	134
3184ZH1/5	1.5	4	32/0.25	13.1	10.2	166
3185ZH1/5	1.5	5	32/0.25	34.4	15.2	206
3187ZH1/5	1.5	7	32/0.25	17.2	13.4	315
31810ZH1/5	1.5	10	32/0.25	20.0	15.95	420
31812ZH1/5	1.5	12	32/0.25	22.4	17.6	493
31819ZH1/5	1.5	19	32/0.25	26.3	20.7	710
3181ZH2/5	2.5	1	50/0.25	7.9	6.3	65
3182ZH2/5	2.5	2	50/0.25	14	10.2	496
3183ZH2/5	2.5	3	50/0.25	14	10.9	196
3184ZH2/5	2.5	4	50/0.25	15.5	12.1	241
3185ZH2/5	2.5	5	50/0.25	17	13.3	297
3187ZH2/5	2.5	7	50/0.25	20	15.7	445
31810ZH2/5	2.5	10	50/0.25	22.1	17.5	575
31812ZH2/5	2.5	12	50/0.25	26.2	20.6	702
31819ZH2/5	2.5	19	50/0.25	30.9	24.4	1030
3181ZH4	4	1	56/0.3	9	7.2	89
3182ZH4	4	2	56/0.3	15.1	11.8	217
3183ZH4	4	3	56/0.3	16.2	12.7	271
3184ZH4	4	4	56/0.3	17.9	14	336
3185ZH4	4	5	56/0.3	19.9	15.6	422
6383ZH6	6	3	84/0.30	14.1	18.0	355
6384ZH6	6	4	84/0.30	15.7	20.0	449
6385ZH6	6	5	84/0.30	17.5	22.2	567
6382ZH10	10	2	80/0.40	19.1	21.0	600
6383ZH10	10	3	80/0.40	20.9	24.2	694
6384ZH10	10	4	80/0.40	20.9	26.5	833
6385ZH10	10	5	80/0.40	22.9	29.1	1010
6382ZH16	16	2	80/0.40	22.4	23.5	800
6383ZH16	16	3	80/0.40	23.7	27.6	946
6385ZH16	16	5	126/0.40	26.4	33.3	1400



Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
6381ZH25	25	1	196/0.40	12.7	15.8	450
6382ZH25	25	2	196/0.40	24.3	30.7	1210
6383ZH25	25	3	196/0.40	26.1	33	1394
6384ZH25	25	4	196/0.40	28.9	36.6	1995
6385ZH25	25	5	196/0.40	32	40.4	2470
6381ZH35	35	1	276/0.40	14.3	17.9	605
6383ZH35	35	3	276/0.40	29.3	37.1	1850
6384ZH35	35	4	276/0.40	32.5	41.1	2645
6385ZH35	35	5	276/0.40	34	43	2930
6381ZH50	50	1	396/0.40	16.5	20.6	825
6383ZH50	50	3	396/0.40	34.1	42.9	2890
6384ZH50	50	4	396/0.40	37.7	47.5	3635
6385ZH50	50	5	396/0.40	39.03	49.18	4450
6381ZH70	70	1	360/0.50	18.6	23.3	1090
6383ZH70	70	3	360/0.50	38.4	48.3	3850
6384ZH70	70	4	360/0.50	42.7	54	4830
6385ZH70	70	5	360/0.50	48.5	55	5938
6381ZH95	95	1	475/0.50	20.8	26	1405
6383ZH95	95	3	475/0.50	43.3	50	4185
6384ZH95	95	4	475/0.50	48.5	61	6320
6385ZH95	95	5	475/0.50	54	64.5	6695
6381ZH120	120	1	608/0.50	22.8	28.6	1745
6383ZH120	120	3	608/0.50	47.4	60	5080
6384ZH120	120	4	608/0.50	53	66	6500
6385ZH120	120	5	608/0.50	57.9	68.5	7542
6381ZH150	150	1	756/0.50	25.2	31.4	1824
6383ZH150	150	3	756/0.50	52	66	6267
6384ZH150	150	4	756/0.50	58	73	8031
6381ZH185	185	1	925/0.50	27.6	34.4	2202
6383ZH185	185	3	925/0.50	57	72	7661
6384ZH185	185	4	925/0.50	64	80	9830
6381ZH240	240	1	1221/0.50	30.6	38.3	2847
6383ZH240	240	3	1221/0.50	65	82	9692
6384ZH240	240	4	1221/0.50	72	914	12444
6385ZH240	240	5	1221/0.50	125.5	142.6	13720
6381ZH300	300	1	1525/0.50	33.5	41.9	3495
6381ZH400	400	1	2257/0.50	45.5	56.5	4880
6381ZH500	500	1	1769/0.60	41.3	52	5301
6381ZH630	630	1	2257/0.60	45.5	56.5	7460

TABLE 4F2B

VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 90 °C

Conductor cross-sectional area (mm ²)	Two-core cable or 2 x Single core cables DC (mV/Nm)	2 core cable, single-phase AC (mV/Nm)			1 x 3 core, 4 core or 5 core cable, three-phase AC (mV/Nm)			2 single-core cables, touching Single-phase AC* (mV/Nm)		
4	13.20	13.20			11.10			-		
6	8.50	8.50			7.40			-		
10	5.10	5.10			4.40			-		
16	3.20	3.20			2.70			-		
		r	x	z	r	x	z	r	x	z
25	2.03	2.03	0.175	2.04	1.73	0.150	1.73	-	-	-
35	1.420	-	-	-	1.22	0.150	1.23	1.44	0.21	1.46
50	1.000	-	-	-	0.91	0.145	0.93	1.00	0.21	1.02
70	0.710	-	-	-	0.62	0.140	0.64	0.71	0.20	0.73
95	0.540	-	-	-	0.47	0.135	0.49	0.54	0.195	0.57
120	0.420	-	-	-	0.37	0.135	0.39	0.42	0.190	0.46
150	0.340	-	-	-	0.29	0.130	0.32	0.34	0.190	0.39
185	0.270	-	-	-	0.24	0.130	0.27	0.27	0.190	0.33
240	0.210	-	-	-	0.188	0.130	0.23	0.210	0.185	0.28
300	0.167	-	-	-	0.147	0.125	0.195	0.173	0.180	0.25
400	0.127	-	-	-	-	-	-	0.132	0.175	0.22
500	0.100	-	-	-	-	-	-	0.107	0.170	0.20
630	0.074	-	-	-	-	-	-	0.085	0.170	0.190

NOTES:

- 1 The voltage drop figures given above are based on a conductor operating temperature of 90 °C and are therefore not accurate when the operating temperature is in excess of 90 C. In the case of the 180 °C cables with a conductor temperature of 150 °C the above resistive values should be increased by a factor of 1.2.
- 2 *A larger voltage drop will result if the cables are spaced.

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