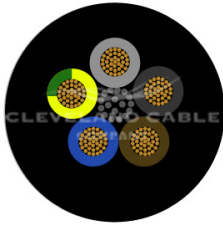


H07ZZ-F 318*ZH SINGLE & MULTICORE FLEXIBLE CABLE (1MM² - 16MM²)



APPLICATION

Flexible cable with resistance to medium mechanical stress. Able to withstand water and weather. For use on work sites, mobile power supplies, for use in supplying workshops, mobile power units, UPS installations, stage lighting and audio visual equipment. Low Smoke Zero Halogen (LSZH) insulation and sheath.

CABLE STANDARDS

CEI EN 50525-3-21
CEI 20-107/3-21
EN 50575:2014
EN 50575/A1:2016

CONSTRUCTION

Conductor: Class 5 flexible stranded copper conductor

Insulation: Low Smoke Zero Halogen (EI8)

Sheath: Low Smoke Zero Halogen (EM8)

CHARACTERISTICS

Voltage Rating: 450/750 Volts

Temperature Limits: -Fixed -40°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: Brown Blue

3 Core: Brown Blue Green/Yellow

4 Core: Brown Black Grey
Green/Yellow

5 Core: Brown Black Grey Blue
Green/Yellow

6 Core and above: 4 Black with white numbers
plus Green/Yellow

Should not be installed below 0°C

H07ZZ-F 318*ZH FLEXIBLE CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	INSULATION THICKNESS (MM)	NO. OF CORES	WEGHT (KG/KM)	OVERALL MEAN DIAMETER (MM)	
					LOWER LIMIT	UPPER LIMIT
3182ZH1	1	0.8	2	90	7.7	10
3183ZH1	1	0.8	3	110	8.3	10.7
3184ZH1	1	0.8	4	136	9.2	11.9
3185ZH1	1	0.8	5	168	10.2	13.1
3181ZH1/5	1.5	0.8	1	50	5.7	7.1
3182ZH1/5	1.5	0.8	2	109	8.5	11
3183ZH1/5	1.5	0.8	3	134	9.2	11.9
3184ZH1/5	1.5	0.8	4	166	10.2	13.1
3185ZH1/5	1.5	0.8	5	206	11.2	14.4
3187ZH1/5	1.5	0.8	7	315	13.4	17.2
31810ZH1/5	1.5	0.8	10	420	15.95	20.2
31812ZH1/5	1.5	0.8	12	493	17.6	22.4
31819ZH1/5	1.5	0.8	19	710	20.7	26.3
3181ZH2/5	2.5	0.9	1	65	6.3	7.9
3182ZH2/5	2.5	0.9	2	158	10.2	13.1
3183ZH2/5	2.5	0.9	3	196	10.9	14
3184ZH2/5	2.5	0.9	4	241	12.1	15.5
3185ZH2/5	2.5	0.9	5	297	13.3	17
3187ZH2/5	2.5	0.9	7	445	15.7	20
31812ZH2/5	2.5	0.9	12	702	20.6	26.2
31819ZH2/5	2.5	0.9	19	1030	24.4	30.9
3181ZH4	4	1	1	89	7.2	9
3182ZH4	4	1	2	217	11.8	15.1
3183ZH4	4	1	3	271	12.7	16.2
3184ZH4	4	1	4	336	14	17.9
3185ZH4	4	1	5	422	15.6	19.9
3187ZH4	4	1	7	618	18.2	23.2
3181ZH6	6	1	1	115	7.9	9.8
3182ZH6	6	1	2	282	13.1	16.8
3183ZH6	6	1	3	355	14.1	18
3184ZH6	6	1	4	449	15.7	20
3185ZH6	6	1	5	567	17.5	22.2
3181ZH10	10	1.2	1	190	9.5	11.9
3182ZH10	10	1.2	2	539	17.7	22.6
3183ZH10	10	1.2	3	674	19.1	24.2
3184ZH10	10	1.2	4	833	20.9	26.5
3185ZH10	10	1.2	5	1010	22.9	29.1
3181ZH16	16	1.2	1	259	10.8	13.4
3182ZH16	16	1.2	2	722	20.2	25.7
3183ZH16	16	1.2	3	913	21.8	27.6
3184ZH16	16	1.2	4	1138	23.8	30.1
3185ZH16	16	1.2	5	1400	26.4	33.3

H07ZZ-F 318*ZH FLEXIBLE CABLE - CURRENT CARRYING CAPACITY

CONDUCTOR CROSS - SECTIONAL AREA MM ²	60°C CONDUCTOR OPERATING TEMPERATURE (60°C STANDARD STOCK CABLE)			85°C CONDUCTOR OPERATING TEMPERATURE (90°C CABLE - SPECIAL ORDER)		
	SINGLE-PHASE AC OR DC *1MM - 2.5MM AC ONLY		THREE-PHASE AC	SINGLE-PHASE AC OR DC		THREE-PHASE AC
	2 CORE CABLE WITH OR WITHOUT PROTECTIVE CONDUCTOR	2 SINGLE CORE CABLES	3, 4 OR 5 CORE CABLE	2 CORE CABLE WITH OR WITHOUT PROTECTIVE CONDUCTOR	2 SINGLE CORE CABLES TOUCHING	3, 4 OR 5 CORE CABLE
1	2	3	4	5	6	7
(MM ²)	(A)	(A)	(A)	(A)	(A)	(A)
1*	10	-	10	-	-	-
1.5*	16	-	16	-	-	-
2.5*	25	-	20	-	-	-
4	30	-	26	41	-	36
6	39	-	34	53	-	47
10	51	-	47	73	-	64
16	73	-	63	99	-	86
25	97	-	83	131	-	114

H07ZZ-F VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA MM ²	2 CORE CABLE DC mV/A/m	TWO CORE CABLE SINGLE-PHASE AC mV/A/m	1 X THREE CORE, FOUR CORE OR FIVE CORE CABLE, THREE PHASE AC
1	46	46	40
1.5	32	32	27
2.5	19	19	16
4	12	12	10
6	7.8	7.8	6.7
10	4.6	4.6	4
16	2.9	2.9	2.5

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.