

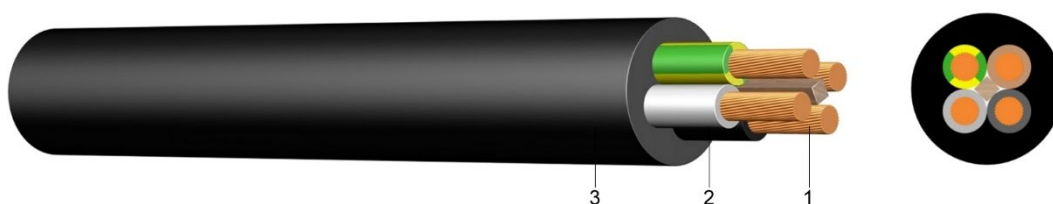
## H07ZZ-F C<sub>ca</sub> – s1b, d1, a1

Rubber-sheathed flexible cable, 450/750 V  
+90 °C service temperature, zero halogen, UV resistant  
EN 50525-3-21 and EN 50575

### Application

Zero halogen, rubber sheathed flexible cable with improved fire characteristics. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. For connecting of power tools, mobile units and machines for medium mechanical requirements in dry and humid rooms in buildings or industrial plants. Also suitable for fixed laying e.g. on-wall in provisional buildings, for directly laying on modules of hoisting devices, machinery...

### Construction



1. Conductor: Copper conductor, bare, flexible (class 5)
2. Insulation: Rubber compound  
Core identification: According to HD 308 S2
3. Outer sheath: Halogen free rubber compound, black

### Technical information

Rated voltage	U <sub>0</sub> /U	450/750 V 1000 V in case of fixed and protected installation
Max. permissible temperature at conductor		90 °C
Max. short circuit temperature of the conductor		250 °C (max. 5 sec)
Min. operating temperature without mechanical stress		-20 °C
Min. temperature during installation		-5 °C
Max. tensile strength during installation		15 N / mm <sup>2</sup>

#### Safety parameters

Reaction to fire		EN 50399 C <sub>ca</sub> - s1b, d1, a1
Flame spread	single cable	IEC 60332-1-2
	bunched cables	IEC 60332-3-24
Zero halogen		IEC 60754-1 /-2
Smoke density		IEC 61034-1/ -2

#### Additional parameters

UV resistant

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N° of cores and cross section mm <sup>2</sup>	Outer diameter approx. mm	Weight approx. kg/km
1 x 1,5	6,40	50
1 x 2,5	7,10	65
1 x 4	8,10	89
1 x 6	8,85	115
1 x 10	10,70	190
1 x 16	12,10	259
1 x 25	14,25	375
1 x 35	16,10	492
1 x 50	18,55	675
1 x 70	20,95	908
1 x 95	23,40	1.171
1 x 120	25,70	1.445
1 x 150	28,35	1.783
1 x 185	31,00	2.125
1 x 240	34,45	2.733
1 x 300	37,70	3.348
1 x 400	42,10	4.800
1 x 500	46,65	5.800
2 x 1	8,85	90
2 x 1,5	9,75	109
2 x 2,5	11,65	158
2 x 4	13,45	217
2 x 6	14,95	282
2 x 10	20,15	539
2 x 16	22,95	722
2 x 25	27,50	1.043
3 G 1	9,50	110
3 G 1,5	10,55	134
3 G 2,5	12,45	196
3 G 4	14,45	271
3 G 6	16,05	355
3 G 10	21,65	674
3 G 16	24,70	913
3 G 25	29,55	1.324
3 G 35	33,20	1.754
3 G 50	38,50	2.409
3 G 70	43,35	3.211
3 G 95	48,65	4.210

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4 G 1	10,55	136
4 G 1,5	11,65	166
4 G 2,5	13,80	241
4 G 4	15,95	336
4 G 6	17,85	449
4 G 10	23,70	833
4 G 16	26,95	1.138
4 G 25	32,75	1.714
4 G 35	36,80	2.204
4 G 50	42,60	3.029
4 G 70	48,35	4.121
4 G 95	54,70	5.361
4 G 120	59,50	6.546
4 G 150	65,50	8.095
4 G 185	72,00	9.652
4 G 240	81,50	12.614
5 G 1	11,65	168
5 G 1,5	12,80	206
5 G 2,5	15,15	297
5 G 4	17,75	422
5 G 6	19,85	567
5 G 10	26,00	1.010
5 G 16	29,85	1.400
5 G 25	36,00	2.096
7 G 1,5	15,30	315
7 G 2,5	17,85	445
12 G 1,5	20,00	493
12 G 2,5	23,40	702
19 G 1,5	23,50	710
19 G 2,5	27,65	1.030
24 G 1,5	27,50	898
24 G 2,5	32,60	1.312

La version française de cette fiche technique est disponible sur demande.  
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.