



Rubber Cable

H07ZZ-F (AS)

The extra-flexible LSZH rubber cable for mobile service.

EN 50525-3-21

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228 and IEC 60228.

Insulation

LSZH Rubber.

The standard identification of insulated conductors is the following:

- 1 x Natural
- 2 x Brown + Blue
- 3 G Brown + Blue + Green/yellow
- 4 G Brown + Black + Grey + Green/yellow
- 5 G Brown + Black + Grey + Blue + Green/yellow

Outer sheath

Low Smoke Zero Halogen (LSZH) rubber. Black colour. Fire retardant cable.

APPLICATIONS

H07ZZ-F is a flexible cable for mobile service, suitable for installations where low smoke and halogen free fumes under fire conditions are required. Suitable for installations where the cable must withstand medium mechanical stress, for machines in industrial and agricultural workshops, for motors and transportable machines on construction sites, for windmills and for agricultural applications.



CHARACTERISTICS



Electrical performance

LOW VOLTAGE 450/750 V



Standard

EN 50525-3-21



Approvals

CE
RoHS



Thermal performance

Maximum service temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (fixed and protected installations).



Fire performance

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.

Fire non-propagation based on UNE-EN 60332-3 and IEC 60332-3.

Low smoke emission based on UNE-EN 61034 and IEC 61034: Light transmittance > 60%

Low corrosive gases emission based on UNE-EN 60754-2 and IEC 60754-2.

Low corrosive gases emission based on UNE-EN 60754-2 and IEC 60754-2.



Mechanical performance

Minimum bending radius: x3 cable diameter.
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent.



Water performance

Water resistance: AD7 Immersion.



Other

Meter by meter marking.



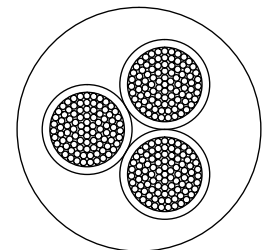
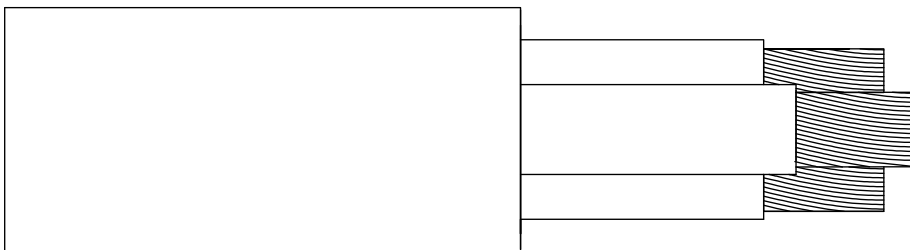
Installation conditions

Open Air.
In conduit.



Applications

Industrial use.
Mobile use.
Windmills.



DIMENSIONS

Cross section (mm ²)	Diameter (mm)	Weight (Kg/km)	Open Air		Voltage drop (V/A · km)
			30°C (A)	20°C (A)	
1 x 6	8,2	115	43	-	6,86
1 x 10	9,9	180	60	-	3,97
1 x 16	11,2	255	82	-	2,51
1 x 25	13,1	370	110	-	1,62
1 x 35	14,7	485	137	-	1,15
1 x 50	17,1	670	167	-	0,802
1 x 70	19,2	895	216	-	0,565
1 x 95	21,7	1.125	264	-	0,428
1 x 120	23,8	1.425	308	-	0,335
1 x 150	26,2	1.770	356	-	0,268
1 x 185	28,8	2.130	409	-	0,22
1 x 240	32	2.735	485	-	0,166
1 x 300	34,9	3.360	561	-	0,133
2 x 1	8,3	95	17	-	46,8
2 x 1,5	8,7	110	22	-	31,9
2 x 2,5	10,4	160	30	-	19,2
2 x 4	12	220	40	-	11,9
2 x 6	13,5	290	51	-	7,92
2 x 10	17,8	505	70	-	4,58
2 x 16	21,4	730	94	-	2,9
2 x 25	25,5	1.060	119	-	1,87
3 G 1	8,8	110	17	-	46,8
3 G 1,5	9,7	140	22	-	31,9
3 G 2,5	11,4	200	30	-	19,2
3 G 4	13	275	40	-	11,9
3 G 6	14,3	354	51	-	7,92
3 G 10	19,8	650	70	-	4,58

Cross section (mm ²)	Diameter (mm)	Weight (Kg/km)	Open Air		Voltage drop (V/A · km)
			30°C (A)	20°C (A)	
3 G 16	22,4	895	94	-	2,9
3 G 25	26,8	1.305	119	-	1,87
3 G 35	29,7	1.700	148	-	1,33
3 G 50	35,4	2.395	180	-	0,926
3 G 70	39,6	3.155	232	-	0,653
4 G 1	9,7	135	14	-	40,5
4 G 1,5	10,6	170	18,5	-	27,6
4 G 2,5	12,6	245	25	-	16,6
4 G 4	14,5	340	34	-	10,3
4 G 6	16,3	460	43	-	6,86
4 G 10	21,3	790	60	-	3,97
4 G 16	24,3	1.105	80	-	2,51
4 G 25	30,2	1.685	101	-	1,62
4 G 35	33,3	2.180	126	-	1,15
4 G 50	38,6	3.020	153	-	0,802
4 G 70	43,1	3.995	196	-	0,565
4 G 95	50,5	5.260	238	-	0,428
5 G 1	10,5	160	14	-	40,5
5 G 1,5	11,6	205	18,5	-	27,6
5 G 2,5	13,9	295	25	-	16,6
5 G 4	16,3	435	34	-	10,3
5 G 6	17,9	555	43	-	6,86
5 G 10	23,6	975	60	-	3,97
5 G 16	27,3	1.380	80	-	2,51
5 G 25	33	2.055	101	-	1,62
5 G 35	36,8	2.715	126	-	1,15
7 G 1,5	14,8	325	18,5	-	27,6



Maximum current capacity according to IEC 60364-5-52.

For other installation conditions, please refer to correction factors in the appendix to this catalogue.

See more technical data on the particular cable specification.

Top Cable reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.