

# H07ZZ-F Halogen Free Low Smoke Zero Halogen

XLPO/XLPO 90°C • 450/750 Volts • Flame retardant, Low combustibility, Low fume level

## CONSTRUCTION :

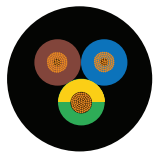
- : Class 5 flexible annealed copper
- : LSZH cross-linked insulation compound Type EI8
- : Cores laid up
- : LSZH cross-linked Jacket compound Type EM8

## TECHNICAL DATA :

- : Special core/jacket insulation to EN 50525-3-21
- : Temperature range -20°C to +90°C
- : Working voltage 450/750 V
- : Halogen free
- : Flame retardant
- : Low combustibility
- : Low fume level

## APPLICATION RANGE :

- It is suitable for installation both indoors and outdoors. It has a Low Smoke Zero Halogen (LSZH) insulation and sheath, making it suitable for installation in buildings or industrial plants with a high density of people, and where fire, smoke emission and toxic fumes create a potential threat to life and equipment
- It is used across a broad range of applications across almost all industry sectors including Airports, Automation & Process-Control, Communications & Telecommunication, Marine & Offshore, Oil, Gas & Petrochemicals, Renewable Energy, and Water Treatment



**BI FLEX - the quality wire and cable**

CABLE PARAMETER				CABLE PARAMETER			
No. cores + cross-sec.	Nominal thickness of insulation	Outer Ø mm.	Weight approx. kg/km	No. cores + cross-sec.	Nominal thickness of insulation	Outer Ø mm.	Weight approx. kg/km
1 x 1.5	0.8	5.7 – 7.1	52	2 x 1	0.8	7.7 – 10.0	94
1 x 2.5	0.9	6.3 – 7.9	67	2 x 1.5	0.8	8.5 – 11.0	120
1 x 4	1.0	7.2 – 9.0	92	2 x 2.5	0.9	10.2 – 13.1	173
1 x 6	1.0	7.9 – 9.8	119	2 x 4	1.0	11.8 – 15.1	239
1 x 10	1.2	9.5 – 11.9	185	2 x 6	1.0	13.1 – 16.8	313
1 x 16	1.2	10.8 – 13.4	258	2 x 10	1.2	17.7 – 22.6	563
1 x 25	1.4	12.7 – 15.8	375	2 x 16	1.2	20.2 – 25.7	830
1 x 35	1.4	14.3 – 17.9	485	2 x 25	1.4	24.3 – 30.7	1211
1 x 50	1.6	16.5 – 20.6	669	3 x 1	0.8	8.3 – 10.7	117
1 x 70	1.6	18.6 – 23.3	892	3 x 1.5	0.8	9.2 – 11.9	147
1 x 95	1.8	20.8 – 26.0	1162	3 x 2.5	0.9	10.9 – 14.0	203
1 x 120	1.8	22.8 – 28.6	1436	3 x 4	1.0	12.7 – 16.2	297
1 x 150	2.0	25.2 – 31.4	1748	3 x 6	1.0	14.1 – 18.0	390
1 x 185	2.2	27.6 – 34.4	2142	3 x 10	1.2	19.1 – 24.2	705
1 x 240	2.4	30.6 – 38.3	2698	3 x 16	1.2	21.8 – 27.6	1031
1 x 300	2.6	33.5 – 41.9	3348	3 x 25	1.4	26.1 – 33.0	1512
1 x 400	2.8	37.4 – 46.8	4293	3 x 35	1.4	29.3 – 37.1	1907
1 x 500	3.0	41.3 – 52.0	5262	3 x 50	1.6	34.1 – 42.9	2651

<b>CABLE PARAMETER</b>			
No. cores + cross-sec.	Nominal thickness of insulation	Outer Ø mm.	Weight approx. kg/km
4 x 1	0.8	9.2 – 11.9	142
4 x 1.5	0.8	10.2– 13.1	180
4 x 2.5	0.9	12.1 – 15.5	260
4 x 4	1.0	14.0 – 17.9	336
4 x 6	1.0	15.7 – 20.0	449
4 x 10	1.2	20.9 – 26.5	883
4 x 16	1.2	23.8 – 30.1	1138
4 x 25	1.4	28.9 – 36.6	1714
4 x 35	1.4	32.5 - 41.1	2204
5 x 1	0.8	10.2 – 13.1	162
5 x 1.5	0.8	11.2– 14.4	204
5 x 2.5	0.9	13.3 – 17.0	297
5 x 4	1.0	15.6 – 19.9	422
5 x 6	1.0	17.5 – 22.2	567
5 x 10	1.2	22.9 – 29.1	1010
5 x 16	1.2	26.4 – 33.3	1400
5 x 25	1.4	32.0 – 40.4	2096