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CABLE DE COBRE TOX FREE ZH

The halogen free screened power cable

Design

Conductor
Electrolytic copper, class 5 (flexible), based on EN 60228
Insulation
XLPE.
The standard identification is the following:
1 x natural
2x Blue + Brown
3 G Blue + Brown + Yellow/green
3 x Brown+ Black+ Grey
4 G Brown + Black + Grey + Yellow/green
4 x Brown + Black + Grey + Blue
5 G Brown + Black + Grey + Yellow/green + Blue

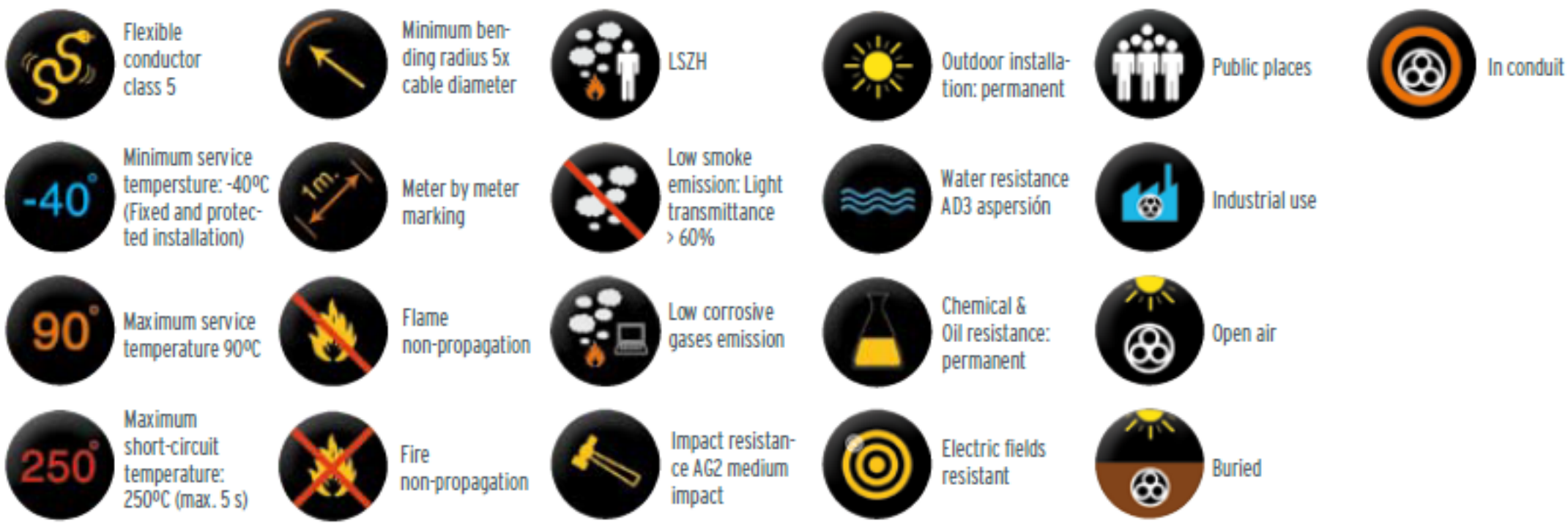
Separator
Polyester tape separator to avoid direct contact between the insulated conductors and the copper braid.

Screen
Tinned copper braided screening

Outer sheath
LSZH poliolefin outer sheath. Green colour, non-toxic and fire retardant.

APPLICATIONS

The screened and halogen free cable Toxfree ZH RC4Z1-K (AS) is a safety cable. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is highly recommended for public places and for all installations where it is necessary avoid to electric interference of nearby circuits .



National Norm / European: EN 60332-1 / EN 60332-3 / EN 50267-1 / EN 50267-2 / EN 61034
International norm: IEC 60332-1 / IEC 60332-3 / IEC 60754-1 / IEC 60754-2 / IEC 61034

Cross section (mm^2)	Diameter (mm)	Weight (Kg/km)	Open Air 30°C (A)	Buried 20°C (A)	Voltage drop (V/A · km)
1 x 10	11,9	231	74	61	4,23
1 x 16	13,1	300	101	79	2,68
1 x 25	14,2	389	135	101	1,73
1 x 35	15,3	489	169	122	1,23
1 x 50	16,8	637	207	144	0,860
1 x 70	18,7	835	268	178	0,603
1 x 95	21,1	1.098	328	211	0,457
1 x 120	22,6	1.331	383	240	0,357
1 x 150	24,7	1.628	444	271	0,286
1 x 185	26,9	1.975	510	304	0,235
1 x 240	30,0	2.514	607	351	0,178
1 x 300	33,2	3.114	703	396	0,142
1 x 400	37,1	4.044	823	464	0,108
2 x 1,5	9,0	96	26	26	34,0
2 x 2,5	9,9	122	36	34	20,4
2 x 4	10,7	156	49	44	12,7
2 x 6	11,8	202	63	56	8,45
2 x 10	13,8	296	86	73	4,89
2 x 16	16,3	436	115	95	3,10
2 x 25	19,5	646	149	121	2,00
2 x 35	22,5	880	185	146	1,42
3 G 1,5	9,6	117	26	26	34,0
3 G 2,5	11,2	172	36	34	20,4
3 G 4	12,0	216	49	44	12,7
3 G 6	13,4	286	63	56	8,45
3 G 10	15,7	422	86	73	4,89
3 x 16	17,6	594	100	79	2,68
3 x 25	21,2	872	127	101	1,73
3 x 35	24,4	1.195	158	122	1,23
3 x 50	28,6	1.669	192	144	0,860
3 x 70	33,3	2.301	246	178	0,603
4 G 1,5	10,3	141	23	22	29,5
4 G 2,5	11,2	183	32	29	17,7
4 G 4	13,1	275	42	37	11,0
4 G 6	14,8	355	54	46	7,32
4 G 10	17,1	529	75	61	4,23
4 x 16	19,5	755	100	79	2,68
4 x 25	22,5	1.079	127	101	1,73
4 x 35	25,7	1.506	158	122	1,23
4 x 50	30,1	2.037	192	144	0,860
4 x 70	35,0	2.804	246	178	0,603
4 x 95	40,2	3.741	298	211	0,457
5 G 1,5	11,2	167	23	22	29,5
5 G 2,5	12,7	233	32	29	17,7
5 G 4	14,0	310	42	37	11,0
5 G 6	16,0	431	54	46	7,32
5 G 10	18,1	619	75	61	4,23
5 G 16	21,5	928	100	79	2,68
5 G 25	25,7	1.387	127	101	1,73
5 G 35	29,8	1.905	158	122	1,23

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