

	H07Z1-K (AS) TYPE 2 AENOR reg Nº 042/000965 - <HAR> reg Nº HAR/000636 0099/CPR/B85/0023 Construction Products Regulation (EU) No 305/2011		ETP-27 Ed. 03/2017 Rev. 7
Single core non-sheathed cables with halogen free insulation			

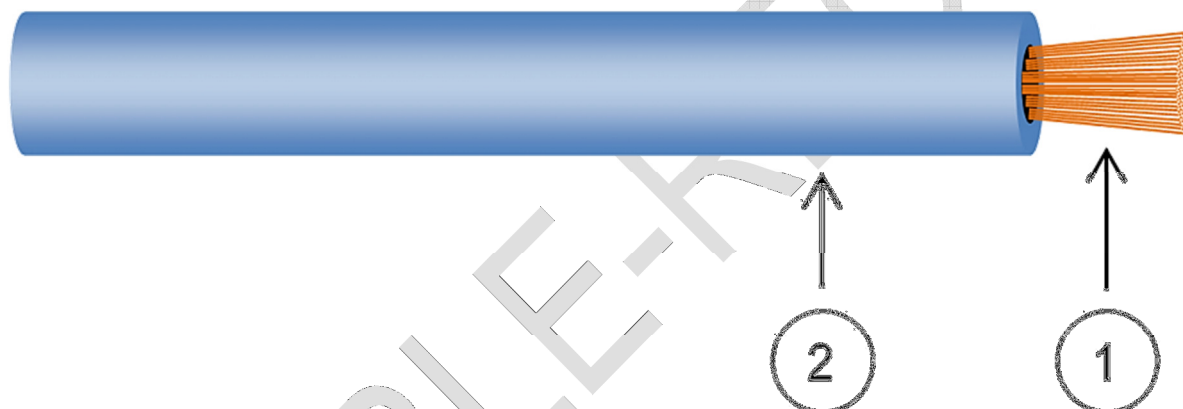
DESCRIPTION

Single core non-sheathed electric cables with thermoplastic halogen free insulation. These cables are suitable for energy transport and for electric connexion for fixed installations.

Construction according to standard EN 50525-3-31

CONSTRUCTION

- | | | |
|-----------------|--|--------------|
| 1 - Conductor: | Flexible copper class 5 | a/EN 60228 |
| | · H07Z1-K: bare copper | |
| | · H07Z1-K SN: tinned copper | |
| 2 - Insulation: | Halogen free compound type TI7 | a/EN 50363-7 |
| | · Colours: black, blue, brown, grey, orange, pink, red, turquoise, violet, white and yellow/green. | |



TECHNICAL SPECIFICATIONS

- | | | |
|------------------------------------|--|------------|
| Rated voltage: | 450 / 750 V | |
| | · These cables can be used at 0.6/1 kV when they are installed in a fixed installation mechanically protected, inside a distribution and control device. | |
| Test voltage: | 2.500 V | |
| Operating temperature: | -15 to +70 °C | |
| Maximum short-circuit temperature: | 160 °C (max. 5 s) | |
| Bending radius: | 5 Ø | |
| CPR classification (class) | Cca-s1b,d1,a1 | a/EN 50575 |

	H07Z1-K (AS) TYPE 2 AENOR reg Nº 042/000965 - <HAR> reg Nº HAR/000636 0099/CPR/B85/0023 Construction Products Regulation (EU) No 305/2011		ETP-27 Ed. 03/2017 Rev. 7
Single core non-sheathed cables with halogen free insulation			

FEATURES FRONT FIRE

TESTS	STANDARDS	VALUES
Flame retardant	EN 60332-1-2 / IEC 60332-1-2	OK
Fire retardant	EN 50399	OK
Low smoke emission (transmittance > 60%)	EN 61034-2, IEC 61034-1-2	OK
Halogen free (HCl) (<0,5%)	EN 60754-1, IEC 60754-1	OK
Corrosivity test	EN 60754-2, IEC 60754-2	pH ≥ 4,3 / Conductivity ≤ 100 µS/cm

DATA AND DIMENSIONS

Dimensions and weights are approximates, subject to small variations due to process. Other sizes are possible on request.

CROSS SECTION mm ²	RESISTANCE (Max. at 20°C) Ω/km		CURRENT (**) (Max. at 40°C) A	INSULATION THICKNESS mm	OUTER Ø mm	WEIGHT Kg/km
	bare	tinned				
1x1,5	13,3	13,7	15	0,7	2,9	19,1
1x2,5	7,98	8,21	21	0,8	3,6	31,9
1x4	4,95	5,09	27	0,8	4,1	44,9
1x6	3,30	3,39	36	0,8	4,7	62,7
1x10	1,91	1,95	50	1,0	6,0	107
1x16	1,21	1,24	66	1,0	7,1	158
1x25	0,780	0,795	84	1,2	8,7	244
1x35	0,554	0,565	104	1,2	9,9	335
1x50	0,386	0,393	125	1,4	11,7	472
1x70	0,272	0,277	160	1,4	13,7	675
1x95	0,206	0,210	194	1,6	15,6	870
1x120	0,161	0,164	225	1,6	17,2	1.101
1x150 (*)	0,129	0,132	260	1,8	19,2	1.367
1x185 (*)	0,106	0,108	297	2,0	21,2	1.660
1x240 (*)	0,0801	0,0817	350	2,2	24,9	2.201

(*) off-license AENOR <HAR> and CPR classification

(**) Maximum current capacity for three phase circuit and installation method C (see IEC 60364-5-523)