
	<p align="center">H07Z1-K (AS) TYPE 2 UV AENOR reg N° 042/000965 - <HAR> reg N° HAR/000636 0099/CPR/B85/0023 Construction Products Regulation (EU) No 305/2011</p>		<p align="center">ETP-27A Ed. 12/2021 Rev. 1</p>
<p align="center">Single core non-sheathed cables with halogen free insulation</p>			

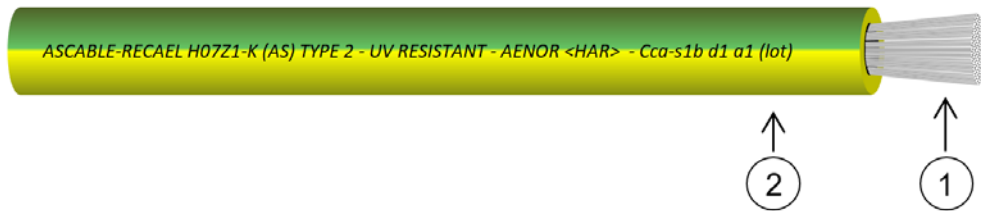
DESCRIPTION

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 (tinned or bare) copper class 5 a/EN 60228
- 2 - Insulation: Halogen free compound type TI7 a/EN 50363-7
 - Colours: 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
- UV resistant: O.K. a/HD 605
- CPR classification (class) Cca-s1b,d1,a1 a/EN 50575

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	IEC 60322-3-24	OK
Fire retardant	EN 50399	OK
Low smoke emission (transmittance > 60%)	EN 61034-2, IEC 61034-2	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 Ω/km at 20°C		Current (*) Max. at 40° C, A	Insulation thickness, mm	Diameter ext. mm	Weight Kg/km
	RB	SN				
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

(*) Maximum current capacity for three phase circuit and installation method C (see IEC 60364-5-52)