

	H07Z1-R (AS) TYPE 2 AENOR reg N° 042/000966 - <HAR> reg N° HAR/000637 EC Low Voltage Directive 2006/95/CE		ETP-49 Ed. 2/2015 Rev. 2
Single core non-sheathed cables with halogen free insulation			

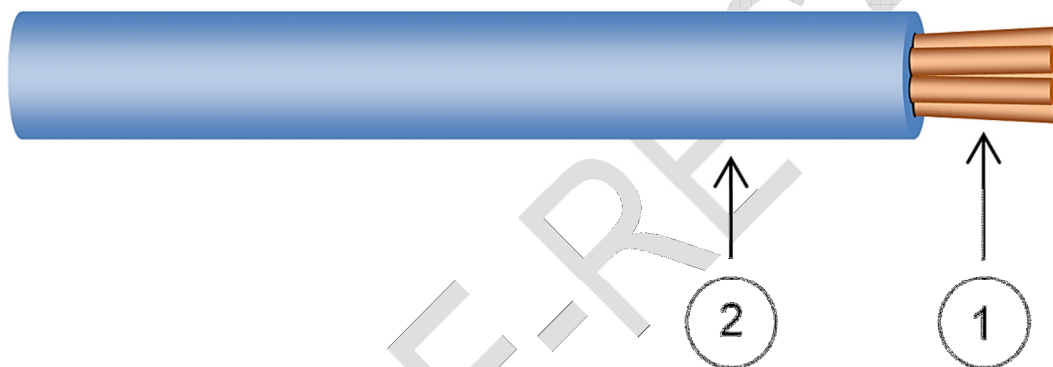
DESCRIPTION

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 EN 50525-3-31.

TECHNICAL CHARACTERISTICS

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|-----------------|--|--------------|
| 1 - Conductor: | Stranded copper, class 2 | a/EN 60228 |
| | · H07Z1-R: blank copper | |
| | · H07Z1-R 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. | |



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|------------------------------------|--|
| 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°C to +70°C |
| Maximum short-circuit temperature: | 160°C (max. 5 s) |
| Bending radius: | 5 Ø |

FIRE BEHAVIOUR SPECIFICATIONS (Classification: AS)

TEST	STANDARDS	VALUES
Flame retardant	EN 60332-1-2 IEC 60332-1	Complies
Fire retardant	EN 50266-2-4 IEC 60332-3-24	Complies
Low Smoke emission:	EN 61034-2 IEC 61034-2	Complies, transmittance > 60%
Halogen free (HCl)	EN 50267-2-1 IEC 60754-1	Complies
Determination of degree of acidity of gases	EN 50267-2-3 IEC 60754-2	pH ≥ 4,3 Conductivity ≤ 10 µS/mm

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
	blank	tinned				
1x1,5	12.1	12.2	15	0,7	2.9	20.9
1x2,5	7.41	7.56	21	0,8	3.6	33.6
1x4	4.61	4.70	27	0,8	4.2	49.5
1x6	3.08	3.11	36	0,8	4.6	67.6
1x10	1.83	1.84	50	1,0	5.8	112
1x16	1.15	1.16	66	1,0	6.8	167
1x25	0.727	0.734	84	1,2	8.4	262
1x35	0.524	0.529	104	1,2	9.6	358
1x50	0.387	0.391	125	1,4	11.3	487
1x70	0.268	0.270	160	1,4	14.0	705
1x95	0.193	0.195	194	1,6	15.8	960
1x120	0.153	0.154	225	1,6	16.2	1144