



ES05Z1-K (AS) H07Z1-K (AS) CABLE. 0,6/1 KV Free halogens



TECHNICAL NAME

- ES05Z1-K (AS) and H07Z1-K (AS).

CONSTRUCTIVE REGULATIONS:

- UNE-EN 50525.

NOMINAL VOLTAGE:

- ES05Z1-K(AS)...300/500 V (up to 1 mm²).
- ES05Z1-K(AS)...450/750 V (from 1.5 mm²).

TEST VOLTAGE:

- H07Z1-K (AS) 2500 V (15 min).

ISOLATION:

- Thermoplastic polyolefin isolation HFFR type TIZI according to UNE 211002.

MAXIMUM SERVICE TEMPERATURE:

- Maximum temperature at permanent service: 70 °C.
- Short-circuit (5s): 160 °C.

Do not allow the propagation of the fire UNE-EN 60332.

CONDUCTOR: flexible annealed electrolyte copper conductor class 5, according to Norma UNE-EN 60228. All cables are single-pole cables.

INSTALLATION TYPE: fixed

USE GUIDE: "for low smoke emissions or corrosive gases in case of fire. This type is highly recommended for public concurrence installations, individual derivations in buildings and in any other type of installation that requires these special specifications in case of fire". UNE 21176.

RECOMMENDATIONS:

The cable will be handled and laid in the way to avoid any danger at the facilities (groupings of cables, mechanical damages, and so on). Cable recommended for installations that require higher protection against fire.

USE GUIDE (informative):

Look at the Norma UNE 21176 about the H07Z1-K cables (requirements and conditions for the single-pole cables without cover, of nominal voltage 450/750V when special requirements are needed about low smoke emission and corrosive gases in case of fire.

Cable highly recommended for public concurrence installations, individual derivations in buildings and in any other installation that requires these special characteristics in case of fire.

Code	Name	Nominal section (mm ²)	Isolation thickness average (mm)	External diameter average (mm)	Weight kg/km appr.	Max. resistance conductor at 20°C Ω/km
2906	ES05Z1-K(AS)	0,5	0,6	2,3	9	39
2916	ES05Z1-K(AS)	0,75	0,6	2,5	12	26,5
2936	ES05Z1-K(AS)	1	0,6	2,7	14	19,5
2946	H07Z1-K(AS)	1,5	0,7	3,2	20	13,3
2956	H07Z1-K(AS)	2,5	0,8	3,65	31	7,98
2966	H07Z1-K(AS)	4	0,8	4,2	43	4,95
2976	H07Z1-K(AS)	6	0,8	4,8	62	3,3
2986	H07Z1-K(AS)	10	1	6,4	110	1,91
2996	H07Z1-K(AS)	16	1	7,7	164	1,21
3006	H07Z1-K(AS)	25	1,2	9,5	253	0,78
3016	H07Z1-K(AS)	35	1,2	10,6	340	0,554

Nominal voltage: 300/500V 450/750V
Normative: UNE 211002

Nominal section (mm ²)	Name	Isolation thickness average (mm)	Lower limit (mm)	Upper limit (mm)	Min. resistance conductor at 70° MΩ/km
0,5	ES05Z1-K(AS)	0,6	2,1	2,6	0,013
0,75	ES05Z1-K(AS)	0,6	2,2	2,7	0,011
1	ES05Z1-K(AS)	0,6	2,4	2,8	0,010
1,5	H07Z1-K(AS)	0,7	2,8	3,4	0,01
2,5	H07Z1-K(AS)	0,8	3,4	4,1	0,009
4	H07Z1-K(AS)	0,8	3,9	4,8	0,007
6	H07Z1-K(AS)	0,8	4,4	5,3	0,006
10	H07Z1-K(AS)	1	5,7	6,8	0,0056
16	H07Z1-K(AS)	1	6,7	8,1	0,0046
25	H07Z1-K(AS)	1,2	8,4	10,2	0,0044
35	H07Z1-K(AS)	1,2	9,7	11,7	0,0038

Table 1. Information about ES05Z1-K and H07Z1-K



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