



ES05Z1-K(AS)/ES07Z1-K(AS)

Application and Description

These halogen free single core cables are high security cables. In the event of fire, these cables do not emit toxic gases, nor do they give off corrosive gases. For these reasons they are recommended for use in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, etc., as well as in computer rooms, offices, production plants, switchboard wiring, laboratories, etc

Standard and Approval

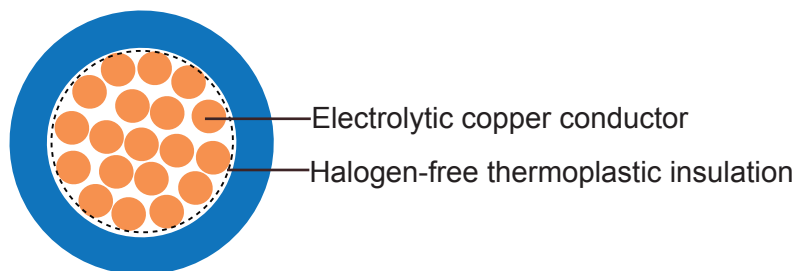
UNE211002, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034, EN 50266, EN 50267

Cable Construction

- Flexible electrolytic copper conductor
- according to UNE-EN 60228 class 5 and IEC 60228 class 5
- Halogen-free thermoplastic insulation type T17, according to UNE 211002 and HD 21.15S1:2006.

Technical Characteristics

- Working voltage: 300/500V(ES05Z1-K)
450/750V(ES07Z1-K)
- Test voltage: 2000V(ES05Z1-K)
2500V(ES07Z1-K)
- Minimum bending radius: $5 \times \varnothing$
- Flexing temperature: -15°C - $+70^{\circ}\text{C}$
- Short circuit temperature: $+70^{\circ}\text{C}$
- Insulation resistance: $350 \text{ M}\Omega \times \text{km}$
- Halogen free: IEC 60754-1, EN 50267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2
- No toxic gases: NES 02-713, NF X 70-100
- Low smoke density: IEC 61034, EN 50268-2
- Flame retardant: IEC 60332-1, EN 50265-2-1
- Non-flame propagating: IEC 60332-3, EN 50266-2



ES05Z1-K

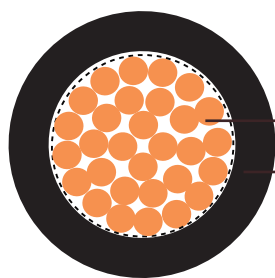


ES05Z1-K



Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
ES05Z1-K(AS)				
20(16/32)	1 x 0,50	0.5	1.9	8
18(24/32)	1 x 0,75	0.6	2.3	11
17(32/32)	1 x 1,0	0.6	2.4	14
ES07Z1-K(AS)				
16(30/30)	1 x 1.5	0.7	2.9	20
14(50/30)	1 x 2.5	0.8	3.5	31
12(56/28)	1 x 4	0.8	4.1	46
10(84/28)	1 x 6	0.8	4.8	65
8(80/26)	1 x 10	1.0	6	108
6(128/26)	1 x 16	1.0	7.2	167
4 (200/26)	1 x 25	1.2	8.8	258
2 (280/26)	1 x 35	1.2	9.7	341
1 (400/26)	1 x 50	1.4	11.5	496
2/0 (356/24)	1 x 70	1.4	13.3	680
3/0 (485/24)	1 x 95	1.6	15.4	919
4/0 (614/24)	1 x 120	1.6	17.2	1146
300 MCM (765/24)	1 x 150	1.8	18.6	1385
350 MCM (944/24)	1 x 185	2.0	21	1763
500MCM(1225/24)	1 x 240	2.2	25.4	2253



Electrolytic copper conductor

Halogen-free thermoplastic insulation

ES07Z1-K



ES07Z1-K