



## SZ1-K (AS+) 0.6/1kV

### Application and Description

These cables are specially designed to transmit electric power in the extreme conditions that there are in a large fire, assuring electric supply to emergency circuits, like signaling light, fume extractors, acoustic alarms, water pumps, etc. In case of fire, they do not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic in public places such as: hospitals, schools, museums, airport, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc

### Standard and Approval

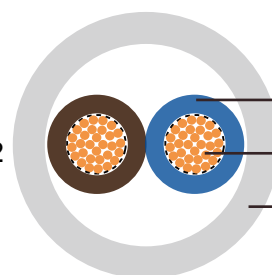
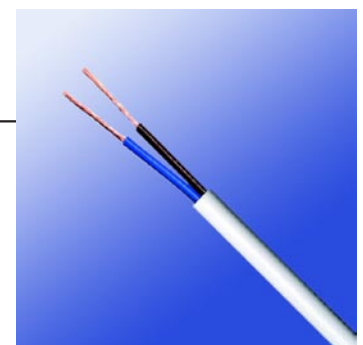
UNE 211025, IEC 60502, EN 60332-1, EN 50266, EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034, IEC 60331

### Cable Construction

- Flexible electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228.
- Silicone insulation, type EI2, according to UN-EN 50363.
- Color coded to HD 308
- Thermoplastic polyolefin outer sheath according to UNE 21123

### Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: 5 x Ø
- Working temperature: -15° C to +90° C
- Short circuit temperature: +250° C
- Insulation resistance: 20 MΩ x km
- Halogen free: IEC 60754-1, EN 50267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2
- 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



- Silicone insulation
- Electrolytic annealed copper
- Polyolefin outer sheath

SZ1-K



### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km	AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km
14(50/30)	1×2.5	6.5	70	12(56/28)	3G4	13.2	255
12(56/28)	1×4	7.3	90	10(84/28)	3G6	14.4	370
10(84/28)	1×6	7.8	115	8(80/26)	3G10	16.5	530
8(80/26)	1×10	8.8	165	6(128/26)	3G16	18.6	740
6(128/26)	1×16	9.9	225	6(128/26)	3×16	18.6	740
4(200/26)	1×25	11.0	310	4(200/26)	3×25	23.4	1040
2 (280/26)	1×35	12.2	410	12(56/28)	3G4	13.2	255
1(400/26)	1×50	13.6	550	16(30/30)	4G1.5	11.1	170
2/0(356/24)	1×70	15.7	760	14(50/30)	4G2.5	12.6	230
3/0(485/24)	1×95	17.5	980	12(56/28)	4G4	14.4	315
4/0(614/24)	1×120	19.5	1235	10(84/28)	4G6	15.7	450
300 MCM (765/24)	1×150	21.5	1530	8(80/26)	4G10	18.0	660
350 MCM (944/24)	1×185	23.4	1835	6(128/26)	4G16	20.4	925
500MCM (1225/24)	1×240	26.6	2495	6(128/26)	4×16	20.4	925
-	1×300	30.2	2895	4(200/26)	4×25	23.4	1310
-	1×400	34.8	3935	2(280/26)	4×50	30.0	2375
16(30/30)	2×1.5	9.8	140	8(80/26)	5G1.5	12.1	205
14(50/30)	2×2.5	11.1	185	14(50/30)	5G2.5	13.7	285
12(56/28)	2×4	12.5	245	12(56/28)	5G4	15.7	390
10(84/28)	2×6	13.6	305	10(84/28)	5G6	17.2	555
8(80/26)	2×10	15.5	430	8(80/26)	5G10	19.8	815
6(128/26)	2×16	17.5	585	6(128/26)	5G16	22.5	1140
4(200/26)	2×25	20.0	810	4(200/26)	5G25	25.9	1620
16(30/30)	3G1.5	10.3	140	2 (280/26)	5×35	27.4	1960
14(50/30)	3G2.5	11.7	190	1(400/26)	5×50	33.5	2885