



RZ1-K(AS) 0.6/1kV

Application and Description

These cables with zero Halogen are high security cables. In case of fire, they do not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.

Standard and Approval

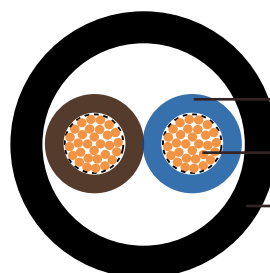
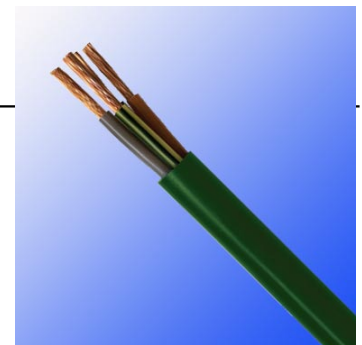
UNE 21123, EN 60332, EN 60332-1, EN 50266, EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034, IEC 60331

Cable Construction

- Flexible electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228
- XLPE insulation type DIX 3 according to HD603.
- Color coded to HD 308
- LOSH polyolephine outer sheath according to UNE 21123

Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 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
- 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



- XLPE insulation
- Electrolytic annealed copper
- Polyolefin outer sheath

RZ1-K



Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km	AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
16(30/30)	1×1.5	5.7	45	8(80/26)	3×10/6	16.1	493
14(50/30)	1×2.5	6.1	57	6(128/26)	3×16/10	18.0	724
12(56/28)	1×4	6.7	73	4(200/26)	3×25/16	21.8	1091
10(84/28)	1×6	7.2	94	2 (280/26)	3×35/16	24.1	1405
8(80/26)	1×10	8.1	136	1(400/26)	3×50/25	28.1	1968
6(128/26)	1×16	9.0	192	2/0(356/24)	3×70/35	32.6	2722
4(200/26)	1×25	11.0	286	3/0(485/24)	3×95/50	37.0	3598
2 (280/26)	1×35	12.1	380	4/0(614/24)	3×120/70	41.5	4609
1(400/26)	1×50	13.8	520	300 MCM (765/24)	3×150/70	44.9	5579
2/0 (356/24)	1×70	15.9	716	350 MCM (944/24)	3×185/95	51.5	6926
3/0 (485/24)	1×95	17.6	924	500MCM (1225/24)	3×240/120	58.8	9030
4/0(614/24)	1×120	19.4	1167	16(30/30)	4G 1.5	9.7	136
300 MCM (765/24)	1×150	21.5	1456	14(50/30)	4G 2.5	10.6	182
350 MCM (944/24)	1×185	24.1	1762	12(56/28)	4G 4	12.0	252
500MCM (1225/24)	1×240	26.9	2283	10(84/28)	4G 6	13.3	336
-	1×300	29.6	2832	8(80/26)	4G 10	15.4	513
-	1×400	33.8	3735	6(128/26)	4×16	18.7	783
-	1×500	38.0	4845	4(200/26)	4×25	23.1	1196
-	1×630	43.1	6311	2 (280/26)	4×35	25.5	1616
16(30/30)	2×1.5	8.3	97	1(400/26)	4×50	30.3	2242
14(50/30)	2×2.5	9.2	127	2/0(356/24)	4×70	35.3	3119
12(56/28)	2×4	10.1	167	3/0(485/24)	4×95	39.4	4037
10(84/28)	2×6	11.2	219	4/0(614/24)	4×120	43.6	5104
8(80/26)	2×10	13.0	323	300 MCM (765/24)	4×150	49.8	6569
6(128/26)	2×16	15.8	490	350 MCM (944/24)	4×185	56.5	8063
16(30/30)	3G1.5	8.8	114	500MCM (1225/24)	4×240	63.1	10421
14(50/30)	3G2.5	9.8	151	16(30/30)	5G 1.5	10.3	159
12(56/28)	3G4	11	206	14(50/30)	5G 2.5	11.6	217
10(84/28)	3G6	12	271	12(56/28)	5G 4	13.0	302
8(80/26)	3G10	14.1	412	10(84/28)	5G 6	14.6	406
6(128/26)	3×16	16.9	624	8(80/26)	5G 10	16.8	625
4(200/26)	3×25	20.6	947	6(128/26)	5G 16	20.4	956
2 (280/26)	3×35	23.4	1276	4(200/26)	5G 25	25.1	1459
1(400/26)	3×50	26.8	1752	2 (280/26)	5G 35	28.1	1968
2/0(356/24)	3×70	31.5	2436	1(400/26)	5G 50	33.7	2779