



RC4Z1-K (AS) 0.6/1kV

Application and Description

The screened and halogen free cable is a high security cable. In case of fire, it does 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 for public places and for all installations where it is necessary avoid electric interference of nearby circuits

Standard and Approval

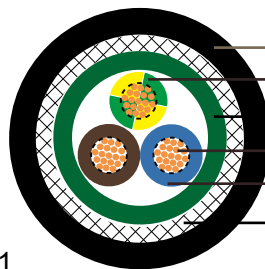
UNE 21123-4, IEC 60502, EN 60332-1, EN 50266, EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034

Cable Construction

- Rigid electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228.
- XLPE insulation, low smoke and halogen free, type DIX 3 according to HD 603
- Color coded to HD 308
- Polyester tape separator
- High coverage tinned copper braided screen
- Polyolefin outer sheath according to UNE 21123

Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: $10 \times \varnothing$
- Working temperature: -15°C to $+90^{\circ}\text{C}$
- Short circuit temperature: $+250^{\circ}\text{C}$
- Insulation resistance: $20\text{ M}\Omega \times \text{km}$
- 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



- Polyolefin outer sheath
- Green/Yellow wire
- Polyester tape separator
- Electrolytic annealed copper conductor
- LOSH XLPE insulation
- Tinned copper braided

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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
8(80/26)	1×10	11.9	231	6(128/26)	3×16	17.6	594
6(128/26)	1×16	13.1	300	4(200/26)	3×25	21.2	872
4(200/26)	1×25	14.2	389	2(280/26)	3×35	24.4	1195
2(280/26)	1×35	15.3	489	1(400/26)	3×50	28.6	1669
1(400/26)	1×50	16.8	637	2/0(356/24)	3×70	33.3	2301
2/0(356/24)	1×70	18.7	835	16(30/30)	4G1.5	10.3	141
3/0(485/24)	1×95	21.1	1098	14(50/30)	4G2.5	11.2	183
4/0(614/24)	1×120	22.6	1331	12(56/28)	4G4	13.1	275
300 MCM (765/24)	1×150	24.7	1628	10(84/28)	4G6	14.8	355
350 MCM (944/24)	1×185	26.9	1975	8(80/26)	4G10	17.1	529
500MCM (1225/24)	1×240	30.0	2514	6(128/26)	4×16	19.5	755
-	1×300	33.2	3114	4(200/26)	4×25	22.5	1079
16(30/30)	2×1.5	9.0	96	2 (280/26)	4×35	25.7	1506
14(50/30)	2×2.5	9.9	122	1(400/26)	4×50	30.1	2037
12(56/28)	2×4	10.7	156	2/0(356/24)	4×70	35.0	2804
10(84/28)	2×6	11.8	202	3/0(485/24)	4×95	40.2	3741
8(80/26)	2×10	13.8	296	16(30/30)	5G1.5	11.2	167
6(128/26)	2×16	16.3	436	14(50/30)	5G2.5	12.7	233
4(200/26)	2×25	19.5	646	12(56/28)	5G4	14.0	310
2 (280/26)	2×35	22.5	880	10(84/28)	5G6	16.0	431
16(30/30)	3G1.5	9.6	117	8(80/26)	5G10	18.1	619
14(50/30)	3G2.5	11.2	172	6(128/26)	5G16	21.5	928
12(56/28)	3G4	12.0	216	4(200/26)	5G25	25.7	1387
10(84/28)	3G6	13.4	286	2 (280/26)	5G35	29.8	1905
8(80/26)	3G10	15.7	422				