



RZ1MZ1-K(AS))/RZ1MAZ1-K(AS)

Application and Description

The armoured 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, in hazardous areas with explosive gas atmospheres, and installations in general where the cable is subject to risk of mechanical aggression.

Standard and Approval

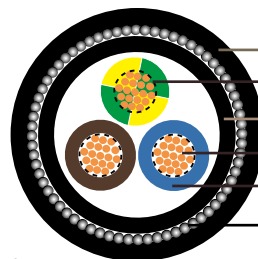
UNE 21123-4, IEC 60502, EN 60332-1, EN 50265, EN 50266, EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034

Cable Construction

- Flexible electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228.
- Cross-linked polyethylene insulation, low smoke and halogen free, type DIX 3 according to HD 603
- Color coded to HD 308
- Polyolefin inner sheath according to UNE 21123-4
- Galvanized steel(for multi-core cables) or aluminum wire(for single-core cables) armor
- LSOH polyolephine outer sheath according to UNE 21123-4

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
- Polyolefin inner sheath
- Electrolytic annealed copper conductor
- LOSH XLPE insulation
- Galvanized steel or AL wire armour

RZ1MZ1-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
RZ1MZ1-K(AS)				16(30/30)	5G1.5	15.9	446
16(30/30)	2×1.5	13.1	320	14(50/30)	5G2.5	16.4	512
14(50/30)	2×2.5	14.0	367	12(56/28)	5G4	18.0	638
12(56/28)	2×4	15.1	435	10(84/28)	5G6	19.5	775
10(84/28)	2×6	16.1	509	8(80/26)	5G10	23.6	1361
8(80/26)	2×10	18.0	664	6(128/26)	5G16	26.4	1773
6(128/26)	2×16	20.8	908	4(200/26)	5G25	30.9	2437
4(200/26)	2×25	24.3	1269	RZ1MAZ1-K(AS)			
2 (280/26)	2×35	27.7	1669	8(80/26)	1×10	14.5	341
16(30/30)	3G1.5	13.8	355	6(128/26)	1×16	15.0	380
14(50/30)	3G2.5	14.7	410	4(200/26)	1×25	16.6	495
12(56/28)	3G4	15.8	489	2(280/26)	1×35	17.7	610
8(80/26)	1×10	14.6	341	1(400/26)	1×50	19.3	775
6(128/26)	1×16	15.3	405	2/0 (356/24)	1×70	21.5	1010
10(84/28)	3G6	16.9	580	3/0 (485/24)	1×95	23.1	1245
8(80/26)	3G10	19.1	777	4/0 (614/24)	1×120	25.1	1525
6(128/26)	3×16	22.6	1289	300 MCM (765/24)	1×150	27.0	1825
4(200/26)	3×25	26.2	1739	350 MCM (944/24)	1×185	28.9	2150
2 (280/26)	3×35	29.0	2174	500MCM (1225/24)	1×240	32.3	2780
1(400/26)	3×50	32.8	2809	-	1×300	36.6	3490
16(30/30)	4G1.5	14.6	395	-	1×400	41.5	4645
14(50/30)	4G2.5	15.4	458				
12(56/28)	4G4	16.8	558				
10(84/28)	4G6	18.2	675				
8(80/26)	4G10	20.4	908				
6(128/26)	4×16	24.5	1527				
4(200/26)	4×25	28.7	2083				
2(280/26)	4×35	30.9	2582				