



RZ1FZ1-K (AS)/RZ1FAZ1-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 installations in general where the cable is subject to risk of mechanical aggression

Standard and Approval

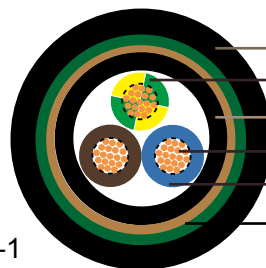
UNE 21123-4, IEC 60502, EN 60332-1, EN 50266, EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034

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
- Double steel or aluminum tape armour
- Polyolefin 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
- Double steel or aluminum tape armour

RZ1FZ1-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
RZ1FZ1-K(AS)				4(200/26)	4×25	25.8	1466
16(30/30)	2×1.5	12.3	232	2 (280/26)	4×35	28.5	1929
14(50/30)	2×2.5	13.2	273	1(400/26)	4G50	33.7	2636
12(56/28)	2×4	14.3	331	2/0(356/24)	4G70	39.7	3928
10(84/28)	2×6	15.1	385	3/0(485/24)	4G95	44.0	4939
8(80/26)	2×10	16.9	510	4/0(614/24)	4G120	48.6	6185
6(128/26)	2×16	19.3	697	300 MCM (765/24)	4×150	54.3	7657
4(200/26)	2×25	23.0	1004	350 MCM (944/24)	4×185	60.1	9186
2 (280/26)	2×35	25.1	1272	500MCM (1225/24)	4×240	68.4	11748
16(30/30)	3G1.5	13.0	260	16(30/30)	5G1.5	14.7	330
14(50/30)	3G2.5	13.9	309	14(50/30)	5G2.5	15.6	398
12(56/28)	3G4	15.0	378	12(56/28)	5G4	17.2	506
10(84/28)	3G6	16.1	406	10(84/28)	5G6	18.7	635
8(80/26)	3G10	18.3	636	8(80/26)	5G10	21.2	894
6(128/26)	3×16	20.2	846	6(128/26)	5G16	24.0	1232
4(200/26)	3×25	23.8	1208	4(200/26)	5G25	28.5	1785
2 (280/26)	3×35	26.6	1578	2 (280/26)	5G35	31.5	2348
1(400/26)	3×50	30.3	2105	RZ1FAZ1-K(AS)			
2/0 (356/24)	3×70	34.9	2858	8(80/26)	1×10	14.7	318
3/0 (485/24)	3×95	40.1	3992	6(128/26)	1×16	14.8	357
4/0 (614/24)	3×120	43.8	4921	4(200/26)	1×25	16.2	459
300 MCM (765/24)	3×150	48.8	6033	2(280/26)	1×35	17.3	572
350 MCM (944/24)	3×185	53.6	7454	1(400/26)	1×50	19.0	730
500MCM (1225/24)	3×240	60.5	9620	2/0 (356/24)	1×70	20.9	951
16(30/30)	4G1.5	13.8	293	3/0 (485/24)	1×95	22.6	1177
14(50/30)	4G2.5	14.6	350	4/0 (614/24)	1×120	24.2	1439
12(56/28)	4G4	16.0	437	300 MCM (765/24)	1×150	26.3	1737
10(84/28)	4G6	17.4	544	350 MCM (944/24)	1×185	28.7	2069
8(80/26)	4G10	19.7	759	500MCM (1225/24)	1×240	31.7	2640
6(128/26)	4×16	22.1	1031	-	1×300	34.4	3220