



• Application

The UNE 21123 0.6/1 kV RZ1-K AS LSZH Flexible Cable is ideal for transportation, distribution, and permanent installations in both protected and unprotected environments. Designed to ensure safety in the event of a fire, these cables do not emit toxic or corrosive gases, thereby protecting individuals and electronic equipment. This makes them highly recommended for use in public spaces such as hospitals, train stations, schools, shopping centers, and airports.

• Performance

Electrical performance: U_0/U : 0.6/1kV

Chemical performance: Resistant to chemicals, UV, and oil

Mechanical performance: Minimum bending radius: 5 x overall diameter

Terminal performance:

Maximum service temperature: 90°C

Maximum short-circuit temperature: 250°C (Max. 5s)

Minimum service temperature: -40°C

Fire performance:

Non-flame propagation according to EN 60332-1-2, IEC 60332-1-2

Non-fire propagation according to EN 60332-3-24, IEC 60332-3-24

Low halogen content according to EN 60754-2, EN 60754-1, IEC 60754-2, IEC 60754-1

Low corrosive gas emission according to EN 60754-2, IEC 60754-2

Low smoke emission according to EN 61034-2, IEC 61034-2

Fire reaction (CPR) Cca-s1b, d1, a1

UV resistance (1 cycle) according to UNE 211605

• Construction

Conductor: Class 5 copper conductors to IEC 60228

Insulation: XLPE (Cross-linked Polyethylene)

Sheath: LSZH thermoplastic fire-resistant halogen-free polyolefin

Sheath Colour:

1 x Natural

2 x Blue + Brown

3 G Blue + Brown + Green/Yellow

3 x Brown + Black + Grey

3 x + 1 x Brown + Black + Grey + Blue (reduced cross-section)

4 G Brown + Black + Grey + Green/Yellow

4 x Brown + Black + Grey + Blue

5 G Brown + Black + Grey + Blue + Green/Yellow

6 G or more Black numbered + Green/Yellow

• Specification

-IEC 60502-1, UNE 21123

-Flame Retardant according to IEC/EN 60332-1-2, IEC/EN 60332-3-24

-Low Smoke Zero Halogen according to IEC/EN 60754-1/2, IEC/EN 61034-1/2

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.

We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Cross Section Area	Resistance at 20 °C	Nominal Outer Dia.	Weight
mm ²	Ω/km	mm	kg/m
1×1.5	13.3	6,5	0,059
2×1.5	13.3	9,4	0,124
3×1.5	13.3	9,8	0,141
4×1.5	13.3	10,6	0,164
5×1.5	13.3	11,4	0,198
7×1.5	13.3	14,4	0,311
12×1,5	13.3	17,4	0,418
19×1,5	13.3	18,2	0,499
24×1,5	13.3	21,1	0,619
1×2.5	7.98	9,4	0,124
2×2.5	7.98	10,4	0,161
3×2.5	7.98	10,9	0,186
4×2.5	7.98	11,9	0,222
5×2.5	7.98	12,8	0,261
6×2,5	7.98	13,9	0,315
7×2.5	7.98	15,9	0,410
8×2,5	7.98	16,9	0,461
10×2,5	7.98	18,9	0,515
12×2,5	7.98	19,4	0,571
19×2,5	7.98	22,7	0,830
1×4	4.95	10,2	0,144
2×4	4.95	11,4	0,205
3×4	4.95	12	0,242
4×4	4.95	13,1	0,292
5×4	4.95	14,1	0,358
7×4	4.95	17,4	0,532

● Technical Parameters

Nominal Cross Section Area	Resistance at 20 °C	Nominal Outer Dia.	Weight
mm ²	Ω/km	mm	kg/m
2×6	3.3	12,6	0,264
3×6	3.3	13,3	0,317
4×6	3.3	14,5	0,387
5×6	3.3	15,8	0,478
6×6	3.3	17,2	0,531
1×10	1.91	9	0,16
2×10	1.91	14,4	0,378
3×10	1.91	15,2	0,465
4×10	1.91	16,7	0,574
5×10	1.91	18,2	0,870
1×16	1.21	9,3	0,198
2×16	1.21	16,6	0,53
3×16	1.21	17,6	0,831
4×16	1.21	19,3	0,823
5×16	1.21	21,2	1,238
1×25	0.78	11,1	0,290
2×25	0.78	22,2	0,936
3×25	0.78	23,4	1,139
4×25	0.78	25,6	1,339
5×25	0.78	28,4	1,722
1×35	0.554	12,2	0,382
2×35	0.554	25,2	1,243
3×35	0.554	25,8	1,477
4×35	0.554	28,3	1,816
5×35	0.554	31,4	2,254
1×50	0.386	13,8	0,526
2×50	0.386	27,6	1,607

● Technical Parameters

Nominal Cross Section Area	Resistance at 20 °C	Nominal Outer Dia.	Weight
mm ²	Ω/km	mm	kg/m
3×50	0.386	29,3	2,007
4×50	0.386	32,7	2,537
5×50	0.386	36,1	3,023
1×70	0.272	15,7	0,727
2×70	0.272	31,8	2,212
3×70	0.272	33,9	2,799
4×70	0.272	37,5	3,494
5×70	0.272	41,4	4,309
1×95	0.206	17,3	0,935
2×95	0.206	36,6	2,786
3×95	0.206	37,2	3,532
4×95	0.206	41,1	4,425
5×95	0.206	46,1	5,686
1×120	0.161	19,6	1,121
3×120	0.161	42,3	4,466
4×120	0.161	46,1	5,522
5×120	0.161	52,8	7,055
1×150	0.129	22,4	1,480
3×150	0.129	48,7	5,731
1×185	0.106	24,8	1,789
3×185	0.106	54,0	6,970
1×240	0.0801	27,3	2,322
1×300	0.0641	30,2	2,903
1×400	0.0486	34,1	3,797
1×500	0.0384	37,9	4,947
1×630	0,0287	44,6	6,403