

Code

RZC-YAVZ2V-NAYRY

Voltage Rating

0.6/1 kV

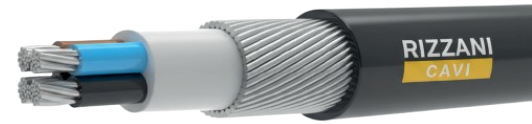
StandardTS IEC 60502-1, VDE 0276
IEC 60228

Conductor

Reaction to Fire Classification (CPR)

EN 60332-1-2

Flame Retardant

**Conductor**

Stranded Aluminum Conductor (Class 2)

Insulation

PVC (Polyvinyl Chloride)

Filler

PVC Filler

Armour

Round Steel Wire (Aluminum Wire for One Core Cables)

Sheath

PVC (Polyvinyl Chloride)

Technical Data

Max. Operating Temperature	70°C
Short Circuit Temperature	160°C (max.5 sec)
Bending Radius	15D (D : Overall Diameter)
Test Voltage	3,5 kV

Application :

For installation indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution industrial plants, where there is no risk of mechanical damage.

RIZZANI

CAVI

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
1×10*	12.9	240.6	1000	3.08	-	-
1×16*	13.9	281.7	1000	1.91	-	-
1×25*	16.4	392.6	1000	1.20	108	91
1×35*	17.4	450.7	1000	0.868	129	112
1×50*	19.0	518.7	1000	0.641	153	137
1×70*	20.9	639.4	1000	0.443	187	173
1×95*	23.5	814.0	1000	0.320	223	212
1×120*	24.8	928.7	1000	0.253	252	247
1×150*	27.2	1101.7	1000	0.206	280	280
1×185*	29.6	1301.6	1000	0.164	314	321
1×240*	33.2	1639.3	500	0.125	358	374
1×300*	36.6	2048.7	500	0.100	397	426
1×400*	40.2	2505.1	500	0.0778	441	488
1×500*	43.9	3014.0	500	0.0605	489	556



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RIZZANI CAVI

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
2×10	19.5	781.2	1000	3.08	-	-
2×16	22.2	1030.5	1000	1.91	-	-
2×25	25.3	1332.5	1000	1.20	103	83
2×35	27.4	1532.6	1000	0.868	123	101
2×50	30.9	1894.8	1000	0.641	145	121
2×70	36.2	2593.5	500	0.443	180	155
2×95	40.3	3197.9	500	0.320	216	189
2×120	44.2	3993.1	500	0.253	246	220
2×150	49.8	4847.8	500	0.206	276	249
2×185	54.4	5778.8	250	0.164	313	287
2×240	60.3	6883.3	250	0.125	362	339

RIZZANI CAVI

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
3×10	21.1	940.7	1000	3.08	-	-
3×16	23.2	1140.3	1000	1.91	-	-
3×25	26.6	1479.5	1000	1.20	103	83
3×35	29.0	1763.4	1000	0.868	123	101
3×50	33.6	2317.8	1000	0.641	145	121
3×70	38.4	2905.5	500	0.443	180	155
3×95	42.8	3630.6	500	0.320	216	189
3×120	47.4	4624.6	500	0.253	246	220
3×150	52.9	5541.1	250	0.206	276	249
3×185	57.9	6480.4	250	0.164	313	287
3×240	64.3	7693.2	250	0.125	362	339



ISTITUTO ITALIANO DEL MARCHIO DI QUALITÀ

RIZZANI CAVI

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
3×16+10	24.4	1216.7	1000	1.91 - 3.08	-	-
3×25+16	27.9	1566.0	1000	1.20 - 1.91	103	83
3×35+16	29.9	1786.4	1000	0.868 - 1.91	123	101
3×50+25	34.9	2445.3	1000	0.641 - 1.20	145	121
3×70+35	39.7	3039.4	500	0.443 - 0.868	180	155
3×95+50	45.5	4131.1	500	0.320 - 0.641	216	189
3×120+70	49.7	4925.5	500	0.253 - 0.268	246	220
3×150+70	54.4	5713.8	250	0.206 - 0.268	276	249
3×185+95	60.2	6762.4	250	0.164 - 0.320	313	287
3×240+120	66.1	7893.2	250	0.125 - 0.253	362	339
3×300+150	74.5	10688.9	250	0.100 - 0.206	415	401
3×400+185	82.8	12677.7	250	0.0778 - 0.164	474	468



ISTITUTO ITALIANO DEL MARCHIO DI QUALITA'

RIZZANI CAVI

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
4×10	22.6	1103.2	1000	3.08	-	-
4×16	25.0	1337.3	1000	1.91	-	-
4×25	28.9	1749.8	1000	1.20	103	83
4×35	32.5	2269.9	1000	0.868	123	101
4×50	37.0	2839.1	1000	0.641	145	121
4×70	41.9	3482.1	500	0.443	180	155
4×95	48.4	4768.0	500	0.320	216	189
4×120	51.9	5469.3	500	0.253	246	220
4×150	58.0	6551.4	250	0.206	276	249
4×185	64.1	7627.0	250	0.164	313	287
4×240	70.7	9039.0	250	0.125	362	339
4×300	79.8	12293.2	250	0.100	415	401
4×400	88.5	14619.7	250	0.0778	474	468



ISTITUTO ITALIANO DEL MARCHIO DI QUALITÀ

RIZZANI CAVI

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
5×10	24.2	1252.3	1000	3.08	-	-
5×16	27.1	1544.6	1000	1.91	-	-
5×25	32.3	2203.5	1000	1.20	103	83
5×35	35.9	2747.3	1000	0.868	123	101
5×50	40.4	3372.8	500	0.641	145	121
5×70	46.9	4473.5	500	0.443	180	155
5×95	52.9	5712.1	500	0.320	216	189
5×120	56.7	6543.5	250	0.253	246	220
5×150	63.9	7758.5	250	0.206	276	249
5×185	70.2	9048.3	250	0.164	313	287
5×240	79.5	12168.5	250	0.125	362	339
5×300	87.8	14698.9	250	0.100	415	401
5×400	98.0	17798.4	250	0.0778	474	468

Note 1:

* For YAVZ2(a)V , NAYR(a)Y cables

Note 2:

Current carrying capacities are valid at 30°C ambient temperature.