

Code

RZC-YAXZ3V-NA2XFGBY

Voltage Rating

0.6/1 kV

Standard

TS 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

XLPE (Cross-linked Polyethylene)

Filler

PVC Filler

Armour

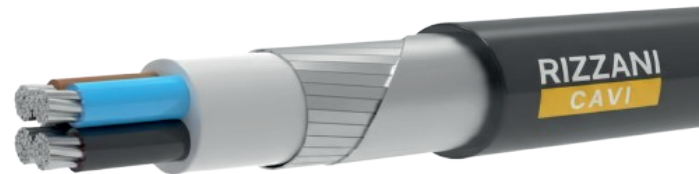
Flat Steel Wire and Galvanized Steel Tape

Sheath

PVC (Polyvinyl Chloride)

Technical Data

| | |
|----------------------------|------------------------------|
| Max. Operating Temperature | 90°C |
| Short Circuit Temperature | 250°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. Suitable for comparatively high maximum permissible conductor temperature.

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| 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 |
| 1x50 | 17,5 | 584,4 | 1000 | 0,641 | 164 | 169 |
| 1x70 | 19,6 | 717,5 | 1000 | 0,443 | 201 | 214 |
| 1x95 | 21,1 | 848,7 | 1000 | 0,320 | 240 | 263 |
| 1x120 | 22,6 | 974,4 | 1000 | 0,253 | 272 | 308 |
| 1x150 | 25,0 | 1149,7 | 1000 | 0,206 | 303 | 349 |
| 1x185 | 27,2 | 1346,2 | 1000 | 0,164 | 340 | 401 |
| 1x240 | 29,8 | 1596,3 | 500 | 0,125 | 387 | 469 |
| 1x300 | 32,5 | 1912,5 | 500 | 0,100 | 430 | 535 |

| 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 |
| 2x10 | 17,6 | 631,4 | 1000 | 3,08 | - | - |
| 2x16 | 19,6 | 768,8 | 1000 | 1,91 | - | - |
| 2x25 | 22,7 | 999,3 | 1000 | 1,20 | 113 | 104 |
| 2x35 | 24,8 | 1185,3 | 1000 | 0,868 | 136 | 128 |
| 2x50 | 27,7 | 1426,8 | 1000 | 0,641 | 159 | 152 |
| 2x70 | 32,1 | 1863,9 | 500 | 0,443 | 197 | 194 |
| 2x95 | 35,8 | 2309,3 | 500 | 0,320 | 236 | 239 |
| 2x120 | 39,1 | 2721,4 | 500 | 0,253 | 269 | 278 |
| 2x150 | 44,6 | 3421,0 | 500 | 0,206 | 302 | 316 |
| 2x185 | 49,3 | 4100,4 | 250 | 0,164 | 342 | 365 |
| 2x240 | 54,3 | 4951,2 | 250 | 0,125 | 397 | 430 |

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| 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 |
| 3x10 | 18,4 | 687,3 | 1000 | 3,08 | - | - |
| 3x16 | 20,6 | 844,2 | 1000 | 1,91 | - | - |
| 3x25 | 23,9 | 1103,2 | 1000 | 1,20 | 113 | 104 |
| 3x35 | 26,2 | 1319,9 | 1000 | 0,868 | 136 | 128 |
| 3x50 | 29,4 | 1607,7 | 1000 | 0,641 | 159 | 152 |
| 3x70 | 34,6 | 2146,0 | 1000 | 0,443 | 197 | 194 |
| 3x95 | 38,1 | 2622,5 | 500 | 0,320 | 236 | 239 |
| 3x120 | 41,7 | 3099,1 | 500 | 0,253 | 269 | 278 |
| 3x150 | 47,6 | 3879,5 | 500 | 0,206 | 302 | 316 |
| 3x185 | 52,6 | 4691,5 | 250 | 0,164 | 342 | 365 |
| 3x240 | 58,5 | 5716,0 | 250 | 0,125 | 397 | 430 |
| 3x300 | 64,6 | 6958,8 | 250 | 0,100 | 454 | 506 |

| 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 |
| 3x16+10 | 21,5 | 920,2 | 1000 | 1,91 - 3,08 | - | - |
| 3x25+16 | 25,0 | 1196,7 | 1000 | 1,20 - 1,91 | 113 | 104 |
| 3x35+16 | 26,9 | 1387,7 | 1000 | 0,868 - 1,91 | 136 | 128 |
| 3x50+25 | 30,6 | 1745,1 | 1000 | 0,641 - 1,20 | 159 | 152 |
| 3x70+35 | 35,8 | 2281,9 | 500 | 0,443 - 0,868 | 197 | 194 |
| 3x95+50 | 39,6 | 2807,3 | 500 | 0,320 - 0,641 | 236 | 239 |
| 3x120+70 | 44,4 | 3474,6 | 500 | 0,253 - 0,443 | 269 | 278 |
| 3x150+70 | 49,0 | 4083,2 | 250 | 0,206 - 0,443 | 302 | 316 |
| 3x185+95 | 54,2 | 4966,7 | 250 | 0,164 - 0,320 | 342 | 365 |
| 3x240+120 | 60,2 | 6079,7 | 250 | 0,125 - 0,253 | 397 | 430 |
| 3x300+150 | 66,8 | 7447,2 | 250 | 0,100 - 0,206 | 454 | 506 |
| 3x400+185 | 75,2 | 9432,7 | 250 | 0,0778 - 0,164 | 520 | 575 |

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| 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 |
| 4x10 | 19,8 | 759,2 | 1000 | 3,08 | - | - |
| 4x16 | 22,1 | 947,2 | 1000 | 1,91 | - | - |
| 4x25 | 25,9 | 1256,5 | 1000 | 1,20 | 113 | 104 |
| 4x35 | 28,6 | 1535,2 | 1000 | 0,868 | 136 | 128 |
| 4x50 | 32,2 | 1879,8 | 1000 | 0,641 | 159 | 152 |
| 4x70 | 38,0 | 2520,4 | 500 | 0,443 | 197 | 194 |
| 4x95 | 42,4 | 3159,1 | 500 | 0,320 | 236 | 239 |
| 4x120 | 46,4 | 3769,2 | 500 | 0,253 | 269 | 278 |
| 4x150 | 52,5 | 4646,3 | 250 | 0,206 | 302 | 316 |
| 4x185 | 58,6 | 5709,3 | 250 | 0,164 | 342 | 365 |
| 4x240 | 64,7 | 6921,4 | 250 | 0,125 | 397 | 430 |
| 4x300 | 71,4 | 8455,9 | 250 | 0,100 | 454 | 506 |
| 4x400 | 80,6 | 10776,0 | 250 | 0,0778 | 520 | 575 |

| 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 |
| 5x10 | 21,2 | 865,2 | 1000 | 3,08 | - | - |
| 5x16 | 23,8 | 1088,9 | 1000 | 1,91 | - | - |
| 5x25 | 28,2 | 1471,7 | 1000 | 1,20 | 113 | 104 |
| 5x35 | 31,2 | 1807,2 | 1000 | 0,868 | 136 | 128 |
| 5x50 | 35,6 | 2266,6 | 500 | 0,641 | 159 | 152 |
| 5x70 | 41,7 | 2984,8 | 500 | 0,443 | 197 | 194 |
| 5x95 | 46,5 | 3778,0 | 500 | 0,320 | 236 | 239 |
| 5x120 | 50,9 | 4489,5 | 250 | 0,253 | 269 | 278 |
| 5x150 | 58,3 | 5618,4 | 250 | 0,206 | 302 | 316 |
| 5x185 | 64,5 | 6825,7 | 250 | 0,164 | 342 | 365 |
| 5x240 | 71,3 | 8334,8 | 250 | 0,125 | 397 | 430 |
| 5x300 | 79,3 | 10303,1 | 250 | 0,100 | 454 | 506 |
| 5x400 | 89,0 | 13027,0 | 250 | 0,0778 | 520 | 575 |

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