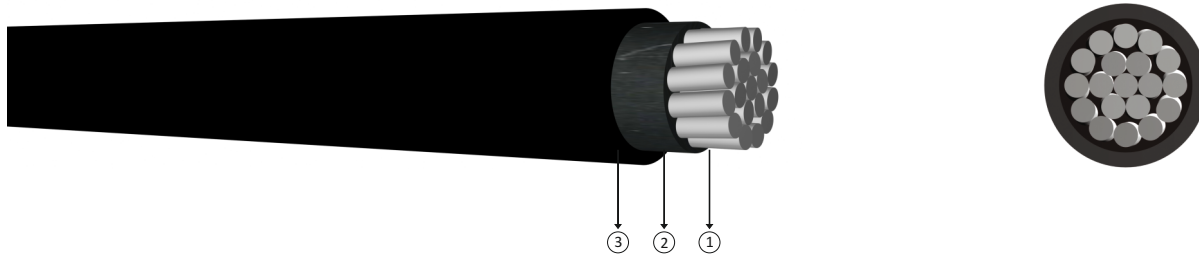




0.6/1 kV halogen free, flame retardant, XLPE insulated single core cables with aluminium conductor



Code: YAXZ1-R, NA2XH

O: Yellow / green veinless
R: Stranded Conductor Rigid

J : Yellow / green core

Standards: HD 604 S1, IEC 60502 - 1, VDE 0276 - 604

Technical Data

Max. operating temperature : 90 °C
Max. short circuit temperature : 250 °C (max. 5 sec.)
Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D
D : Cable outer diameter

Application

Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire.

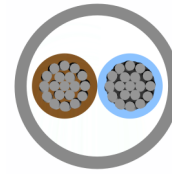
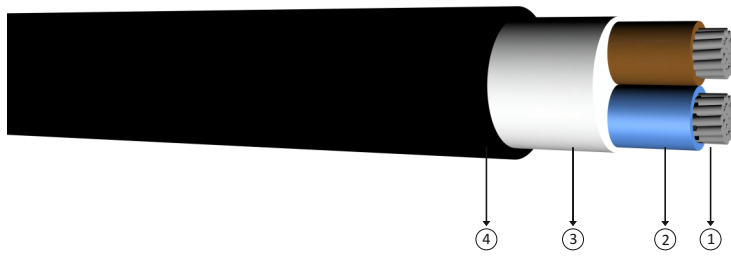
Construction

- 1 Stranded aluminum conductor
- 2 XLPE insulation
- 3 HFFR outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----|-----------------|-----|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | | | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | | In air at 30 °C | |
| | | | | | *** | ** | *** | ** |
| 1x25 | 10,5 | 150 | 1000 | 1,20 | - | 114 | - | 106 |
| 1x35 | 12,0 | 180 | 1000 | 0,868 | 164 | 137 | 163 | 131 |
| 1x50 | 13,5 | 225 | 1000 | 0,641 | 195 | 163 | 200 | 161 |
| 1x70 | 15,5 | 305 | 1000 | 0,443 | 238 | 201 | 254 | 205 |
| 1x95 | 17,0 | 405 | 1000 | 0,320 | 284 | 240 | 313 | 253 |
| 1x120 | 19,0 | 510 | 1000 | 0,253 | 323 | 274 | 366 | 296 |
| 1x150 | 21,0 | 605 | 1000 | 0,206 | 361 | 308 | 420 | 341 |
| 1x185 | 23,0 | 765 | 1000 | 0,164 | 408 | 348 | 486 | 395 |
| 1x240 | 26,0 | 925 | 1000 | 0,125 | 476 | 408 | 585 | 475 |
| 1x300 | 28,0 | 1155 | 1000 | 0,100 | 537 | 462 | 675 | 548 |
| 1x400 | 31,0 | 1480 | 1000 | 0,0778 | 616 | 531 | 798 | 647 |
| 1x500 | 35,0 | 1850 | 1000 | 0,0605 | 699 | 601 | 926 | 749 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
*** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
** : Trefoil formation
Number of system : 1

0.6/1 kV halogen free, flame retardant, XLPE insulated multi core cables with aluminium conductor



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J : Yellow / green core

Standards: HD 604 S1, IEC 60502 - 1, VDE 0276 - 604

Technical Data

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Application

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Construction

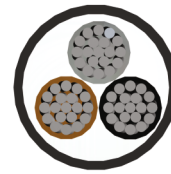
- ① Stranded aluminium conductor
- ② XLPE insulation
- ③ Filler
- ④ HFFR outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 2x25 | 21,5 | 600 | 1000 | 1,20 | 110 | 115 |
| 2x35 | 23,3 | 750 | 1000 | 0,868 | 130 | 140 |
| 2x50 | 25,8 | 950 | 1000 | 0,641 | 155 | 175 |
| 2x70 | 29,7 | 1250 | 1000 | 0,443 | 195 | 220 |
| 2x95 | 33,9 | 1650 | 1000 | 0,320 | 235 | 270 |

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1



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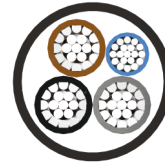
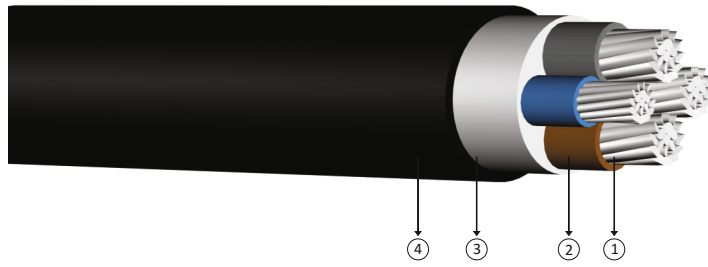
Construction

- 1 Stranded aluminium conductor
- 2 XLPE insulation
- 3 Filler
- 4 HFFR outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 3x25 | 22,5 | 650 | 1000 | 1,20 | 111 | 100 |
| 3x35 | 25,0 | 800 | 1000 | 0,868 | 132 | 122 |
| 3x50 | 27,0 | 1050 | 1000 | 0,641 | 157 | 147 |
| 3x70 | 32,0 | 1450 | 1000 | 0,443 | 195 | 189 |
| 3x95 | 36,0 | 1850 | 1000 | 0,320 | 233 | 232 |
| 3x120 | 40,0 | 2250 | 1000 | 0,253 | 266 | 270 |
| 3x150 | 45,0 | 2800 | 1000 | 0,206 | 299 | 308 |
| 3x185 | 49,0 | 3450 | 1000 | 0,164 | 340 | 357 |
| 3x240 | 56,0 | 4400 | 1000 | 0,125 | 401 | 435 |
| 3x300 | 61,0 | 5300 | 500 | 0,100 | 455 | 501 |
| 3x400 | 69,0 | 6800 | 500 | 0,0778 | 526 | 592 |

Note : Current carrying capacities are valid under the following conditions:
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1

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Min. bending radius : 12 x D
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Application

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Construction

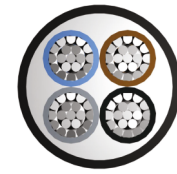
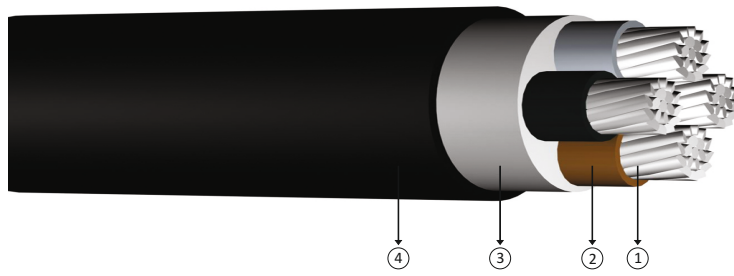
- ① Stranded aluminium conductor
- ② XLPE insulation
- ③ Filler
- ④ HFFR outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 3x25+16 | 24,0 | 750 | 1000 | 1,20 | 111 | 100 |
| 3x35+16 | 26,0 | 900 | 1000 | 0,868 | 132 | 122 |
| 3x50+25 | 29,0 | 1200 | 1000 | 0,641 | 157 | 147 |
| 3x70+35 | 33,0 | 1600 | 1000 | 0,443 | 195 | 189 |
| 3x95+50 | 38,0 | 2100 | 1000 | 0,320 | 233 | 232 |
| 3x120+70 | 42,0 | 2600 | 1000 | 0,253 | 266 | 270 |
| 3x150+70 | 46,0 | 3100 | 1000 | 0,206 | 299 | 308 |
| 3x185+95 | 51,0 | 3850 | 1000 | 0,164 | 340 | 357 |
| 3x240+120 | 58,0 | 4900 | 500 | 0,125 | 401 | 435 |
| 3x300+150 | 63,0 | 5950 | 500 | 0,100 | 455 | 501 |
| 3x400+185 | 71,0 | 7500 | 500 | 0,0778 | 526 | 592 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
Number of system : 1



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- ① Stranded aluminium conductor ③ Filler
- ② XLPE insulation ④ HFFR outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 4x25 | 25,0 | 800 | 1000 | 1,20 | 111 | 100 |
| 4x35 | 27,0 | 1000 | 1000 | 0,868 | 132 | 122 |
| 4x50 | 30,0 | 1250 | 1000 | 0,641 | 157 | 147 |
| 4x70 | 36,0 | 1750 | 1000 | 0,443 | 195 | 189 |
| 4x95 | 40,0 | 2250 | 1000 | 0,320 | 233 | 232 |
| 4x120 | 45,0 | 2850 | 1000 | 0,253 | 266 | 270 |
| 4x150 | 49,0 | 3400 | 1000 | 0,206 | 299 | 308 |
| 4x185 | 55,0 | 4250 | 1000 | 0,164 | 340 | 357 |
| 4x240 | 62,0 | 5450 | 500 | 0,125 | 401 | 435 |
| 4x300 | 67,0 | 6600 | 500 | 0,100 | 455 | 501 |
| 4x400 | 77,0 | 8500 | 500 | 0,0778 | 526 | 592 |

Note : Current carrying capacities are valid under the following conditions:
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1