

Subscriber line cable A-2Y(L)2Y St III Bd acc. to VDE 0816



| | |
|--|-------------------|
| conductor material: | bare copper |
| conductor construction: | solid |
| insulation: | polyethylene 2YI1 |
| stranding unit: | quads |
| stranding: | bunches |
| bonded sheath: | yes |
| sheathing material: | polyethylene 2YM1 |
| colour of outer sheath: | black |
| for outdoor use: | yes |
| longitudinally water-tight: | no |
| transverse water-tight: | yes |
| flame retardant: | no |
| bending radius, fixed installation: | 7,5 x DA |
| temperature, moved/during installation: | -20-+50 °C |
| max. operating temperature, fixed: | -30-+70 °C |

| | | |
|-------------------------------|--------------------------------------|--------------------------------------|
| core identification: | A-2Y(L)2Y nx2x0,6 colours + rings | A-2Y(L)2Y nx2x0,8 colours + rings |
| nominal voltage U: | 225 V | 225 V |
| test voltage: | 2000 V | 2000 V |
| loop resistance: | 130 Ohm/km | 73,2 Ohm/km |
| operating capacity: | 52 nF/km | 55 nF/km |
| attenuation at 800 Hz: | 1,04 dB/km | 0,78 dB/km |

Application: For fixed installation indoors, outdoors, in ground and in water.

Stranding:

4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers

Core identification:

The star-quads of each bunch are continuous: red, green, grey, yellow, white

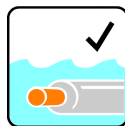
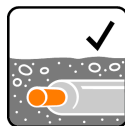
The cores within one star-quad are marked by rings:

a-wire 1: without ring

b-wire 1: one ring, wide spaced

a-wire 2: double ring, wide spaced

b-wire 2: double ring, narrow spaced



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

table: technical data A-2Y(L)2Y nx2x0,6

| Art.-Nr. | part name | DA [mm] | G [kg/km] | CU | Art.-Nr. | part name | DA [mm] | G [kg/km] | CU |
|----------|-----------------------|---------|-----------|-----|----------|------------------------|---------|-----------|------|
| 110080 | A-2Y(L)2Y 02X2X0,6 SW | 9 | 80 | 11 | 110039 | A-2Y(L)2Y 40X2X0,6 SW | 20 | 385 | 226 |
| 110075 | A-2Y(L)2Y 04X2X0,6 SW | 11 | 120 | 23 | 110041 | A-2Y(L)2Y 50X2X0,6 SW | 21 | 460 | 283 |
| 110025 | A-2Y(L)2Y 06X2X0,6 SW | 12 | 130 | 34 | 110043 | A-2Y(L)2Y 70X2X0,6 SW | 25 | 605 | 396 |
| 110029 | A-2Y(L)2Y 10X2X0,6 SW | 13,5 | 155 | 57 | 110027 | A-2Y(L)2Y 100X2X0,6 SW | 28 | 870 | 565 |
| 110035 | A-2Y(L)2Y 20X2X0,6 SW | 16 | 240 | 113 | 110031 | A-2Y(L)2Y 150X2X0,6 SW | 33 | 1345 | 848 |
| 110037 | A-2Y(L)2Y 30X2X0,6 SW | 18 | 310 | 170 | 110033 | A-2Y(L)2Y 200X2X0,6 SW | 38 | 1755 | 1131 |

table: technical data A-2Y(L)2Y nx2x0,6

| Art.-Nr. | part name | DA [mm] | G [kg/km] | CU |
|----------|------------------------|---------|-----------|------|
| 110101 | A-2Y(L)2Y 250X2X0,6 SW | 41,5 | 2140 | 1414 |
| 110083 | A-2Y(L)2Y 300X2X0,6 SW | 44,5 | 2525 | 1696 |
| 110103 | A-2Y(L)2Y 350X2X0,6 SW | 47,5 | 2930 | 1979 |
| 110082 | A-2Y(L)2Y 400X2X0,6 SW | 51 | 3300 | 2262 |
| 110068 | A-2Y(L)2Y 500X2X0,6 SW | 56 | 4050 | 2827 |

| Art.-Nr. | part name | DA [mm] | G [kg/km] | CU |
|----------|-------------------------|---------|-----------|------|
| 110088 | A-2Y(L)2Y 600X2X0,6 SW | 60 | 4770 | 3392 |
| 110108 | A-2Y(L)2Y 700X2X0,6 SW | 64 | 5500 | 3958 |
| 110094 | A-2Y(L)2Y 800X2X0,6 SW | 69 | 6350 | 4523 |
| 110095 | A-2Y(L)2Y 1000X2X0,6 SW | 75 | 7550 | 5654 |
| 110111 | A-2Y(L)2Y 1200X2X0,6 SW | 81 | 9300 | 6785 |

table: technical data A-2Y(L)2Y nx2x0,8

| Art.-Nr. | part name | DA [mm] | G [kg/km] | CU |
|----------|-----------------------|---------|-----------|-----|
| 110076 | A-2Y(L)2Y 02X2X0,8 SW | 9 | 90 | 20 |
| 110024 | A-2Y(L)2Y 04X2X0,8 SW | 12 | 140 | 40 |
| 110026 | A-2Y(L)2Y 06X2X0,8 SW | 13 | 160 | 60 |
| 110093 | A-2Y(L)2Y 08X2X0,8 SW | 14 | 180 | 81 |
| 110030 | A-2Y(L)2Y 10X2X0,8 SW | 15 | 205 | 101 |
| 110092 | A-2Y(L)2Y 12X2X0,8 SW | 15,2 | 250 | 123 |
| 110036 | A-2Y(L)2Y 20X2X0,8 SW | 18,5 | 355 | 201 |
| 110038 | A-2Y(L)2Y 30X2X0,8 SW | 21 | 475 | 302 |
| 110040 | A-2Y(L)2Y 40X2X0,8 SW | 23 | 600 | 402 |
| 110042 | A-2Y(L)2Y 50X2X0,8 SW | 26 | 745 | 503 |
| 110044 | A-2Y(L)2Y 70X2X0,8 SW | 29 | 1100 | 704 |

| Art.-Nr. | part name | DA [mm] | G [kg/km] | CU |
|----------|------------------------|---------|-----------|------|
| 110028 | A-2Y(L)2Y 100X2X0,8 SW | 34 | 1425 | 1005 |
| 110032 | A-2Y(L)2Y 150X2X0,8 SW | 40 | 2200 | 1508 |
| 110034 | A-2Y(L)2Y 200X2X0,8 SW | 44 | 2900 | 2011 |
| 110090 | A-2Y(L)2Y 250X2X0,8 SW | 51 | 3550 | 2514 |
| 110102 | A-2Y(L)2Y 300X2X0,8 SW | 53 | 4200 | 3016 |
| 110104 | A-2Y(L)2Y 350X2X0,8 SW | 56 | 4900 | 3519 |
| 110105 | A-2Y(L)2Y 400X2X0,8 SW | 60 | 5500 | 4022 |
| 110106 | A-2Y(L)2Y 500X2X0,8 SW | 68 | 6800 | 5027 |
| 110107 | A-2Y(L)2Y 600X2X0,8 SW | 74 | 8100 | 6032 |
| 110152 | A-2Y(L)2Y 700X2X0,8 SW | | 9895 | 7038 |