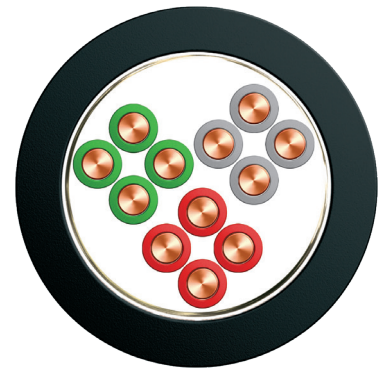


# A-2Y(L)2Y

Indoor/Outdoor Subscriber Line Cable

## Application

For fixed installation indoors, outdoors, in the ground, in water and in concrete. The PE sheath enables direct earth burial of the cable. It should be noted installation in cable ducts and interior spaces that the PE sheath is zero halogen, yet not flame retardant as defined under DIN VDE 0482-332-1.



## Cable Design

<b>Conductor</b>	Class 1 Solid bare copper wire (0,6 or 0,8mm)
<b>Core Insulation</b>	PE - Polyethylene
<b>Stranding</b>	4 cores twisted to star-quads; 5 quads to sub-unit, sub-units to layers
<b>Shield</b>	Foil tape bonded to outer sheath
<b>Sheath</b>	PE - Polyethylene (Black, RAL 9005)

### Core Identification

Star-quads of each bunch are continuous	Red, Green, Grey, Yellow, White
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 space
b-wire 2	double ring, narrow spaced

## Standards

Industrial Standards	VDE 0816
Traversely watertight	Yes
UV-Resistant	Yes
For Outdoor Use	Yes



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Indoor/Outdoor Subscriber Line Cable

## Thermal & Mechanical Characteristics

Temperature range stationary	-30 °C to +70 °C
Temperature range during installation	-20 °C to +50 °C
Bending Radius, fixed	7,5 x outer diameter

## Electrical Characteristics

loop resistance max. - 0.6 mm	130 Ω/km
loop resistance max. - 0.8 mm	73.2 Ω/km
Max. Operating Capacity - 0.6 mm	52 nF/km
Max. Operating Capacity - 0.8 mm	55 nF/km
Attenuation at 800 Hz - 0.6 mm	1,04
Attenuation at 800 Hz - 0.8 mm	0,78
Peak operating voltage	225 V

## Specification

Dimension	Diameter [mm]	Tensile strength during installation [N]	Cable Weight [kg/km]
2 x 2 x 0,6	9,0	300	80
4 x 2 x 0,6	11,0	350	120
6 x 2 x 0,6	12,0	400	130
10 x 2 x 0,6	13,5	500	155
20 x 2 x 0,6	16,0	700	240
30 x 2 x 0,6	18,0	950	310
40 x 2 x 0,6	20,0	1200	385
50 x 2 x 0,6	21,0	1500	460
70 x 2 x 0,6	25,0	2000	605
100 x 2 x 0,6	28,0	2800	870
150 x 2 x 0,6	33,0	4100	1345
200 x 2 x 0,6	38,0	5200	1755
250 x 2 x 0,6	41,5	6400	2140
300 x 2 x 0,6	44,5	7400	2525
500 x 2 x 0,6	56,0	11500	4050

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Indoor/Outdoor Subscriber Line Cable

## Specification

Dimension	Diameter [mm]	Tensile strength during installation [N]	Cable Weight [kg/km]
2 x 2 x 0,8	9,0	310	90
4 x 2 x 0,8	12,0	380	140
6 x 2 x 0,8	13,0	480	160
8 x 2 x 0,8	14,0	-	180
10 x 2 x 0,8	15,0	600	205
12 x 2 x 0,8	15,2	-	250
20 x 2 x 0,8	18,5	1000	355
30 x 2 x 0,8	21,0	1500	475
40 x 2 x 0,8	23,0	2000	600
50 x 2 x 0,8	26,0	2500	745
70 x 2 x 0,8	29,0	3400	1100
100 x 2 x 0,8	34,0	4600	1425
150 x 2 x 0,8	40,0	6600	2200
200 x 2 x 0,8	44,0	8500	2900