

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



<b>Conductor material:</b>	copper, bare
<b>Conductor class:</b>	class 1 = solid
<b>Insulation:</b>	polyethylene 2YI1
<b>Stranding unit:</b>	quads
<b>Stranding:</b>	bunched star-quads
<b>Screen over strand:</b>	foil
<b>Sheathing material:</b>	polyethylene 2YM1
<b>Bonded sheath:</b>	yes
<b>Transversely watertight:</b>	yes
<b>Longitudinally watertight:</b>	no
<b>Colour outer sheath:</b>	black
<b>Flame-retardant:</b>	no
<b>UV-resistant:</b>	yes
<b>Permitted outer cable temperature, fixed:</b>	-30 - +70 °C
<b>Permitted outer cable temperature, in motion/ during installation:</b>	-20 - +50 °C
<b>Bending radius, fixed installation:</b>	7,5 x DA

	<i>A-2Y(L)2Y 0.6 mm</i>	<i>A-2Y(L)2Y 0.8 mm</i>
<b>Maximum operating capacity:</b>	52 nF/km	55 nF/km
<b>Loop resistance:</b>	130 Ohm/km	73,2 Ohm/km
<b>peak operating voltage:</b>	225 V	225 V
<b>Test voltage:</b>	2 kV	2 kV
<b>Core identification:</b>	colours + rings	colours + rings
<b>Attenuation at 800 Hz:</b>	1,04	0,78

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

**Additional information:** 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 characteristics A-2Y(L)2Y 0.6 mm

p/n	part name	D <sub>I</sub> [mm]	D <sub>A</sub> [mm]	F <sub>ZV</sub> [N]	Cu [kg/km]	G [kg/km]
110080	A-2Y(L)2Y 02X2X0,6 SW	0,6	9	300	11	80

p/n	part name	D <sub>I</sub> [mm]	D <sub>A</sub> [mm]	F <sub>ZV</sub> [N]	Cu [kg/km]	G [kg/km]
110075	A-2Y(L)2Y 04X2X0,6 SW	0,6	11	350	23	120
110025	A-2Y(L)2Y 06X2X0,6 SW	0,6	12	400	34	130
110029	A-2Y(L)2Y 10X2X0,6 SW	0,6	13,5	500	57	155
110035	A-2Y(L)2Y 20X2X0,6 SW	0,6	16	700	113	240
110037	A-2Y(L)2Y 30X2X0,6 SW	0,6	18	950	170	310
110039	A-2Y(L)2Y 40X2X0,6 SW	0,6	20	1200	226	385
110041	A-2Y(L)2Y 50X2X0,6 SW	0,6	21	1500	283	460
110043	A-2Y(L)2Y 70X2X0,6 SW	0,6	25	2000	396	605
110027	A-2Y(L)2Y 100X2X0,6 SW	0,6	28	2800	565	870
110031	A-2Y(L)2Y 150X2X0,6 SW	0,6	33	4100	848	1345
110033	A-2Y(L)2Y 200X2X0,6 SW	0,6	38	5200	1131	1755
110101	A-2Y(L)2Y 250X2X0,6 SW	0,6	41,5	6400	1414	2140
110083	A-2Y(L)2Y 300X2X0,6 SW	0,6	44,5	7400	1696	2525
110068	A-2Y(L)2Y 500X2X0,6 SW	0,6	56	11500	2827	4050

Table: Technical characteristics A-2Y(L)2Y 0.8 mm

p/n	part name	D <sub>I</sub> [mm]	D <sub>A</sub> [mm]	F <sub>ZV</sub> [N]	Cu [kg/km]	G [kg/km]
110076	A-2Y(L)2Y 02X2X0,8 SW	0,8	9	310	20	90
110024	A-2Y(L)2Y 04X2X0,8 SW	0,8	12	380	40	140
110026	A-2Y(L)2Y 06X2X0,8 SW	0,8	13	480	60	160
110093	A-2Y(L)2Y 08X2X0,8 SW	0,8	14		81	180
110030	A-2Y(L)2Y 10X2X0,8 SW	0,8	15	600	101	205
110092	A-2Y(L)2Y 12X2X0,8 SW	0,8	15,2		123	250
110036	A-2Y(L)2Y 20X2X0,8 SW	0,8	18,5	1000	201	355
110038	A-2Y(L)2Y 30X2X0,8 SW	0,8	21	1500	302	475
110040	A-2Y(L)2Y 40X2X0,8 SW	0,8	23	2000	402	600
110042	A-2Y(L)2Y 50X2X0,8 SW	0,8	26	2500	503	745
110044	A-2Y(L)2Y 70X2X0,8 SW	0,8	29	3400	704	1100
110028	A-2Y(L)2Y 100X2X0,8 SW	0,8	34	4600	1005	1425
110032	A-2Y(L)2Y 150X2X0,8 SW	0,8	40	6600	1508	2200
110034	A-2Y(L)2Y 200X2X0,8 SW	0,8	44	8500	2011	2900

DI	Conductor diameter
DA	Outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	weight