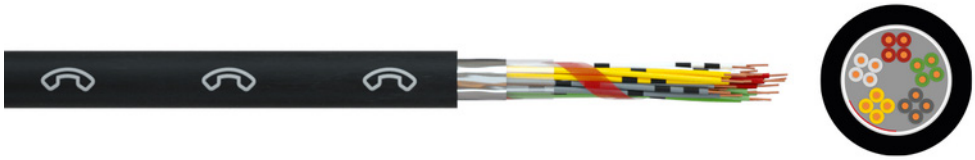
Subscriber line cable
A-2YF(L)2Y St III Bd



Application: For fixed installation indoors, outdoors, in the ground, in water and in conrete. The PE-sheath enables direct earth burial of the cable. It should be noted during 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.

Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers.
petrol jelly filling - plastic foil separator - laminated sheath = aluminium tape 0.2 mm on both sides polymer laminated and welded with a PE-sheath

Construction and technical data:

Standard:	VDE 0816
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	polyethylene 2YI1
Stranding unit:	Four strand
Stranding:	bunched star-quads
Screen over stranding unit:	Foil
Sheathing material:	polyethylene 2YM1
bonded sheath:	yes
Transversely watertight:	yes
Longitudinally watertight:	yes
Colour of outer sheath:	black
Flame-retardant:	none
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	70 °C
Permitted outer cable temperature, moved, °C:	-20 - +50 °C
Bending radius, fixed installation:	7.5 x Ø

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.

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

A-2YF(L)2Y ... St III Bd 0.6 mm

Loop resistance: 130 Ohm/km

Maximum operating capacity: 52 nF/km

Test voltage: 2 kV

Core identification: colours + rings

Attenuation at 800 Hz: 1.04

peak operating voltage, V: 225 V

part no.	part name	Dl [mm]	Ø [mm]	Cu	G [kg]
110077	02X2X0.6	0.6	9	11	80
110079	04X2X0.6	0.6	11	23	130
110001	06X2X0.6	0.6	12	34	140
110005	10X2X0.6	0.6	13.5	57	190
110011	20X2X0.6	0.6	16.5	113	310
110016	30X2X0.6	0.6	19.5	170	430
110018	40X2X0.6	0.6	21.5	226	545
110020	50X2X0.6	0.6	23.5	283	660
110022	70X2X0.6	0.6	27	396	875
110003	100X2X0.6	0.6	31.5	565	1225
110009	200X2X0.6	0.6	42.5	1131	2315
110014	300X2X0.6	0.6	51.5	1696	3480

A-2YF(L)2Y ... St III Bd 0.8 mm

Loop resistance: 73.2 Ohm/km

Maximum operating capacity: 55 nF/km

Core identification: colours + rings

Attenuation at 800 Hz: 0.78

peak operating voltage, V: 225 V

part no.	part name	Dl [mm]	Ø [mm]	Cu	G [kg]
110078	02X2X0.8	0.8	10	20	100
110074	04X2X0.8	0.8	13	40	175
110002	06X2X0.8	0.8	13.5	60	200
110799	08X2X0.8	0.8	14	80	211
110006	10X2X0.8	0.8	15.5	101	280
110012	20X2X0.8	0.8	20	201	485
110017	30X2X0.8	0.8	23	302	675
110019	40X2X0.8	0.8	26.5	402	885
110021	50X2X0.8	0.8	28.5	503	1070
110023	70X2X0.8	0.8	33	704	1420
110004	100X2X0.8	0.8	38.5	1005	2000
110008	150X2X0.8	0.8	47	1508	2935

part no.	part name	Dl [mm]	Ø [mm]	Cu	G [kg]
110010	200X2X0.8	0.8	52	2011	3800
110091	250X2X0.8	0.8	58	2514	4590
110015	300X2X0.8	0.8	62	3016	5480
110069	350X2X0.8	0.8	66	3519	6350
110073	400X2X0.8	0.8	72	4022	7350
110099	500X2X0.8	0.8	79	5027	8920

Dl	diameter conductor
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000