

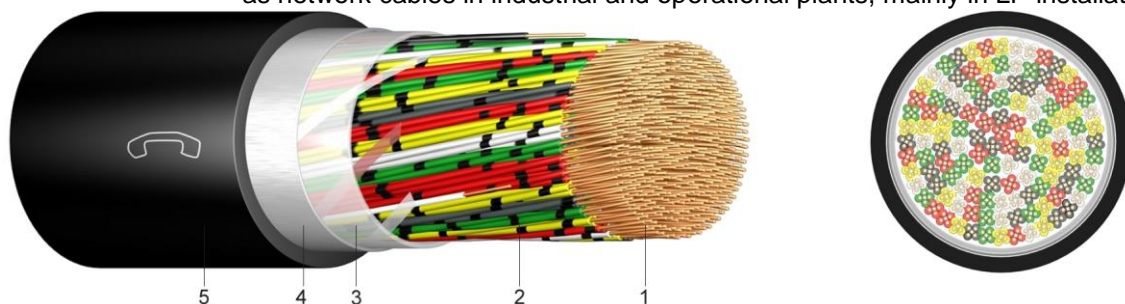


## A-2Y(L)2Y

## Plastic Insulated Telecommunication Cable for Local Networks

### Application:

Suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in LF-installations.



### Construction:

- 1 ..... solid bare copper,  $\varnothing$  0,6/0,8mm
- 2 ..... core insulation of polyethylene (PE)
- 3 ..... layer of plastic foil
- 4 ..... static screen of plastic laminated aluminium tape
- 5 ..... outer sheath of polyethylene (PE), black, UV-resistant

### Information:

conductor loop resistance:  
 core- $\varnothing$  0,6mm ..... 130,0 Ohm/km  
 core- $\varnothing$  0,8mm ..... 73,2 Ohm/km

Cores twisted to star-quads.

### Standards:

DIN VDE 0816 (core identification)  
 DIN EN 60228 class 1 (construction)

### Technical data:

Peak operating voltage		[V]	225 Volt
Test voltage at 50 Hz	core / core	[V] <sub>AC</sub>	500
	core / screen	[V] <sub>AC</sub>	2000
Temperature range	in motion		-20°C till +50°C
	fixed		-20°C till +70°C
Bending radius	in motion	x diameter	15
Insulation resistance	min.	[M $\Omega$ /km]	5000
Mutal capacitance	max.	[nF/km]	52
Capacitance unbalance 100m	max	[pF]	800

Number of pairs and nominal conductor diameter mm	from stock	Copper figure kg/km	Insulation thickness mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 2 x 0,6	○	13,0	1,8	8,1	63
6 x 2 x 0,6	●	36,0	1,8	9,3	86
10 x 2 x 0,6	●	59,0	1,8	11,5	146
20 x 2 x 0,6	●	115,0	1,8	15,2	239
30 x 2 x 0,6	●	172,0	1,8	18,0	315
40 x 2 x 0,6	●	228,0	1,8	18,0	391
50 x 2 x 0,6	○	285,0	1,8	19,4	469
100 x 2 x 0,6	○	568,0	2,0	27,9	878
2 x 2 x 0,8	●	22,0	1,8	8,6	74
4 x 2 x 0,8	●	41,6	1,8	10,9	117
6 x 2 x 0,8	●	62,0	1,8	11,3	141
10 x 2 x 0,8	●	103,0	1,8	13,2	203
20 x 2 x 0,8	○	203,0	1,8	17,3	346
40 x 2 x 0,8	○	404,0	2,0	20,7	590
50 x 2 x 0,8	○	505,0	2,0	22,5	715