

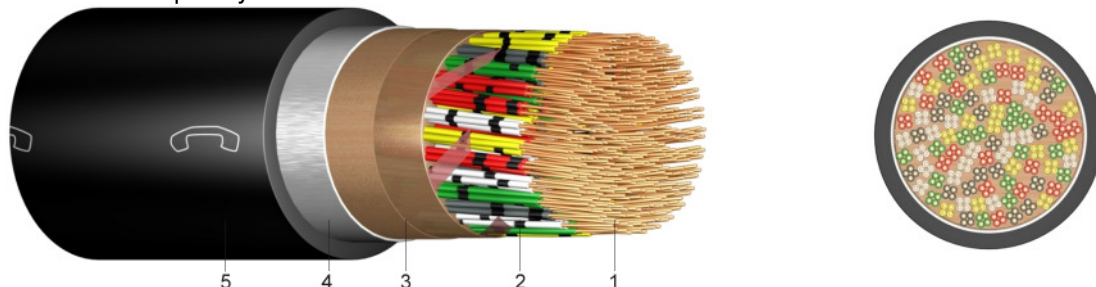
Datasheet A-2YF(L)2Y

Version 1/2009

Plastic Insulated Telecommunication Cable for Local Networks, transversely and longitudinally water-proof

Application:

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.



Construction:

- 1 solid bare copper, Ø 0,6/0,8mm
- 2 core insulation of polyethylene (PE)
- 3 the interstices of the cable are continuously filled with jelly, layer of plastic foil
- 4 static screen of plastic laminated aluminium tape
- 5 outer sheath of polyethylene (PE), black

Information:

conductor loop resistance:
core-Ø 0,6mm 130,0 Ohm/km
core-Ø 0,8mm 73,2 Ohm/km
Cores twisted to star-quads.

According to:

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] _{AC}	500
	core / screen	[V] _{AC}	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.	[MΩ/km]	1500
Mutal capacitance	max.	[nF/km]	52
Capacitance unbalance 100m	max	[pF]	800

Number of pairs and nominal conductor diameter mm	Copper figure kg/km	Insulation thickness mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 2 x 0,6	13	1,8	8,3	67
6 x 2 x 0,6	36	1,8	11,0	126
10 x 2 x 0,6	59	1,8	12,5	171
20 x 2 x 0,6	115	1,8	15,8	287
30 x 2 x 0,6	172	1,8	19,0	409
40 x 2 x 0,6	228	1,8	20,4	503
50 x 2 x 0,6	285	1,8	22,2	606
100 x 2 x 0,6	568	2,0	30,3	1.155
2 x 2 x 0,8	22	1,8	8,8	83
4 x 2 x 0,8	41	1,8	11,2	134
6 x 2 x 0,8	62	1,8	12,0	165
10 x 2 x 0,8	103	1,8	14,0	232

Datasheet

Version 1/2009

Number of pairs and nominal conductor diameter mm	Copper figure kg/km	Insulation thickness mm	Overall diameter appr.mm	Weight appr. kg / km
20 x 2 x 0,8	203	1,8	19,1	445
30 x 2 x 0,8	304	1,8	22,0	588
40 x 2 x 0,8	404	2,0	24,0	748
50 x 2 x 0,8	505	2,0	26,0	910
100 x 2 x 0,8	1.008	2,2	36,0	1.787
150 x 2 x 0,8	1.512	2,2	42,2	2.553