

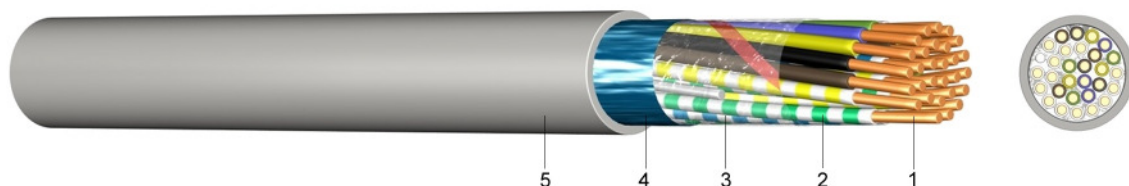
Datasheet F-YAY

Version 1/2009

Installation Cable for Telecommunication

Application:

They are suitable for fixed installation indoors and are used for telecommunication purposes.



Construction:

- 1 solid bare copper Ø 0,6/0,8mm
- 2 core insulation of polyvinylchloride (PVC)
- 3 layer of plastic foil with copper drain wire
- 4 static screen of plastic laminated aluminium foil
- 5 outer sheath of polyvinylchloride (PVC), grey

Information:

conductor loop resistance:

core-Ø 0,6mm <135,8 Ohm/km

core-Ø 0,8mm < 73,2 Ohm/km

According to:

according to ÖVE K35 - 1997 (core identification)

Technical data:

Peak operating voltage		[V]	200Veff / 300 Volt
Test voltage at 50 Hz	core / core	[V] _{AC}	500
	core / screen	[V] _{AC}	2000
Temperature range	in motion		- 5 °C till +50 °C
	fixed		-30 °C till +70 °C
Bending radius	in motion	x diameter	15
Insulation resistance	min.	[MΩ/km]	500
Mutal capacitance	max.	[nF/km]	100
Capacitance unbalance 100m	max	[pF]	500

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	1,0	5,2	36
3 x 2 x 0,6	19	1,0	5,7	44
5 x 2 x 0,6	30	1,0	6,6	65
6 x 2 x 0,6	36	1,0	7,1	70
10 x 2 x 0,6	59	1,0	8,7	102
15 x 2 x 0,6	87	1,0	10,5	140
20 x 2 x 0,6	115	1,2	10,8	175
25 x 2 x 0,6	140	1,2	12,0	225
30 x 2 x 0,6	172	1,2	12,5	260
40 x 2 x 0,6	228	1,2	14,5	335
50 x 2 x 0,6	285	1,4	16,4	410
60 x 2 x 0,6	342	1,4	17,8	500
100 x 2 x 0,6	568	1,6	23,1	810

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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 0,8	21	1,0	7,1	56
3 x 2 x 0,8	32	1,0	7,4	69
5 x 2 x 0,8	52	1,0	8,8	101
6 x 2 x 0,8	62	1,0	10,2	140
10 x 2 x 0,8	103	1,2	12,4	170
20 x 2 x 0,8	203	1,2	15,2	330
30 x 2 x 0,8	304	1,4	17,8	485
40 x 2 x 0,8	404	1,4	20,5	670
50 x 2 x 0,8	505	1,6	24,5	800
100 x 2 x 0,8	1.008	1,8	33,9	1.540