

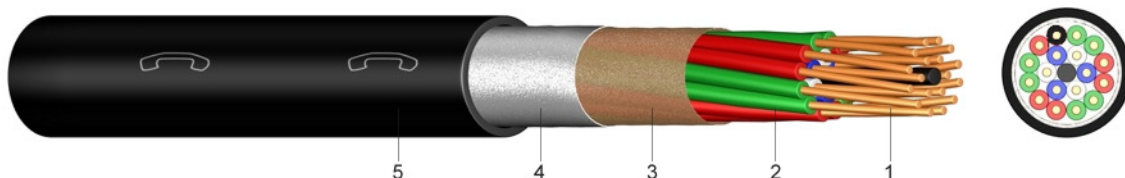
Datasheet F-2YJA2Y

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 filled with jelly, one layer of plastic foil
- 4 screen of plastic laminated aluminium foil
- 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.
 Core colours: transparent (or black by the start quad), red, green, blue

According to:

adapted to austrian telecom standard

Technical data:

Peak operating voltage		[V]	200 Veff / 300 Volt
Test voltage at 50 Hz	core / core	[V] _{AC}	500
	core / screen	[V] _{AC}	2000
Temperature range	in motion		-20 °C till +90 °C
Bending radius	in motion	x diameter	15
Insulation resistance	min.	[MΩ/km]	5000
Mutal capacitance	max.	[nF/km]	52
Capacitance unbalance 100m	max	[pF]	300

Number of pairs and nominal conductor diameter mm	Copper figure kg/km	Insulation thickness mm	Overall diameter appr.mm	Weight appr. kg / km
6 x 2 x 0,6	36	1,8	11,0	125
10 x 2 x 0,6	59	1,8	12,5	170
20 x 2 x 0,6	115	1,8	16,5	310
30 x 2 x 0,6	172	1,8	18,0	390
50 x 2 x 0,6	285	1,8	22,0	580
100 x 2 x 0,6	568	2,0	30,0	1.150

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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
6 x 2 x 0,8	62	1,8	12,5	170
10 x 2 x 0,8	103	1,8	14,0	234
20 x 2 x 0,8	203	1,8	19,5	450
30 x 2 x 0,8	304	1,8	21,5	600
50 x 2 x 0,8	504	2,0	26,5	920
60 x 2 x 0,8	606	2,0	31,0	1.240