

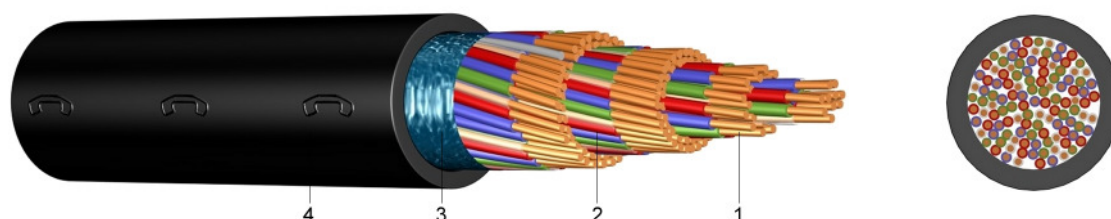
Datasheet F-2YA2Y

Version 1/2009

Plastic Insulated Telecommunication Cable for Local Networks

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, $\varnothing$ 0,6/0,8mm
- 2 core insulation of polyethylene (PE)
- 3 static screen of aluminium foil with tinned copper drain wire, $\varnothing$ 0,5mm
- 4 outer sheath of polyethylene (PE), black

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.
 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]	200Veff / 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]	10000
Mutal capacitance	max.	[nF/km]	55
Capacitance unbalance 100m	max	[pF]	1500

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	7,1	46
6 x 2 x 0,6	36	1,8	9,3	86
10 x 2 x 0,6	59	1,8	10,5	120
20 x 2 x 0,6	115	1,8	14,2	210
30 x 2 x 0,6	172	1,8	16,5	280
40 x 2 x 0,6	228	1,8	17,0	355
50 x 2 x 0,6	285	1,8	18,5	425
60 x 2 x 0,6	342	1,8	19,5	485
100 x 2 x 0,6	568	2,0	26,5	820

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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	22	1,8	7,6	65
6 x 2 x 0,8	62	1,8	10,4	130
10 x 2 x 0,8	103	1,8	12,2	190
20 x 2 x 0,8	203	1,8	16,4	330
30 x 2 x 0,8	304	1,8	18,2	460
40 x 2 x 0,8	404	1,8	19,8	580
50 x 2 x 0,8	504	2,0	21,6	700
60 x 2 x 0,8	606	2,0	23,1	780
100 x 2 x 0,8	1.008	2,0	31,3	1.350