

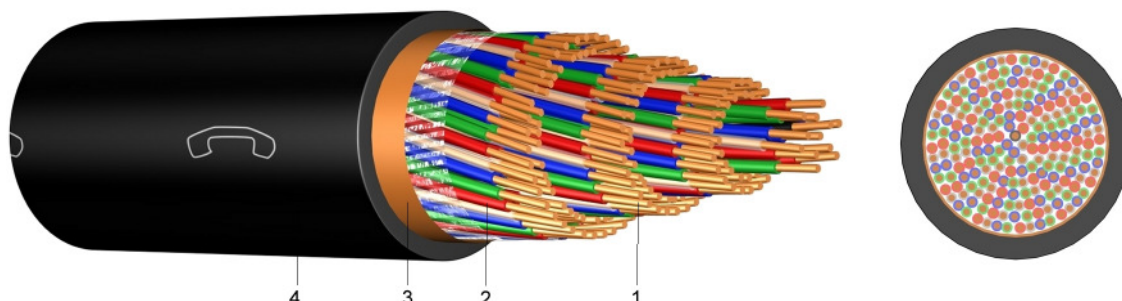
Datasheet F-2YC2Y

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, Ø 0,6/0,8mm
- 2 core insulation of polyethylene (PE)
- 3 static screen of copper tape
- 4 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]	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	31,5	1,8	8,6	78
6 x 2 x 0,6	70,0	1,8	10,1	110
10 x 2 x 0,6	97,0	1,8	11,5	150
20 x 2 x 0,6	173,0	1,8	15,0	250
30 x 2 x 0,6	242,0	1,8	16,5	320
40 x 2 x 0,6	304,5	1,8	17,8	400
50 x 2 x 0,6	370,5	1,8	19,2	480
60 x 2 x 0,6	433,0	1,8	19,9	550
100 x 2 x 0,6	682,0	2,0	25,0	865

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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	50,0	1,8	8,3	95
6 x 2 x 0,8	104,5	1,8	11,5	150
10 x 2 x 0,8	160,0	1,8	13,0	205
20 x 2 x 0,8	279,0	1,8	17,5	360
30 x 2 x 0,8	392,0	1,8	19,5	485
40 x 2 x 0,8	500,5	1,8	21,0	605
50 x 2 x 0,8	614,5	2,0	23,0	732
60 x 2 x 0,8	725,0	2,0	23,6	865
100 x 2 x 0,8	1.161,0	2,0	33,0	1.390