

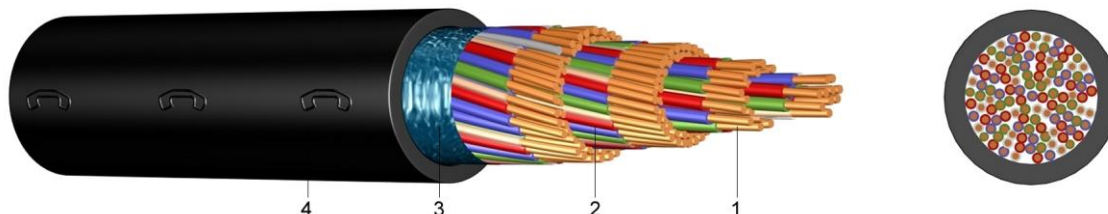


F-2YA2Y

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, UV-resistant

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

Standards:

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

Number of pairs and nominal conductor diameter (mm)	from stock	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



Number of pairs and nominal conductor diameter (mm)	from stock	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