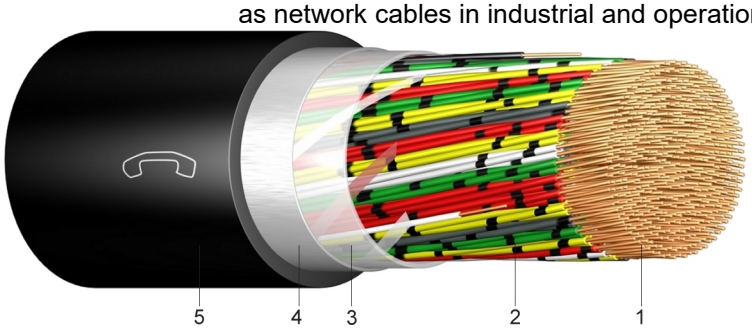
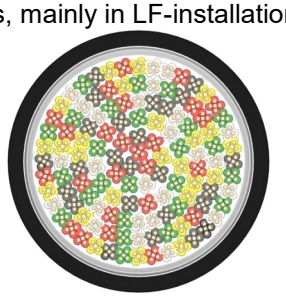
TESLA CABLES

A-2Y(L)2Y Plastic Insulated Telecommunication Cable for Local Networks

Application: Suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in LF-installations.





Construction:
1 ..... solid bare copper, Ø 0,6/0,8mm
2 ..... core insulation of polyethylene (PE)
3 ..... layer of plastic foil
4 ..... static screen of plastic laminated aluminium tape
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.

Standards:
DIN VDE 0816 (core identification)
DIN EN 60228 class 1 (construction)

Technical data:

Peak operating voltage		[V]	225 Volt
Test voltage at 50 Hz	core / core	$[V]_{AC}$	500
	core / screen	$[V]_{AC}$	2000
Temperature range	in motion		-20°C till +50°C
	fixed		-20°C till +70°C
Bending radius	in motion	x diameter	15
Insulation resistance	min.	[MOhm/km]	5000
Mutal capacitance	max.	[nF/km]	52
Capacitance unbalance 100m	max	[pF]	800

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	12,5	1,8	8,1	63
6 x 2 x 0,6	34,6	1,8	9,3	86
10 x 2 x 0,6	56,6	1,8	11,5	146
20 x 2 x 0,6	110,4	1,8	15,2	239
40 x 2 x 0,6	218,9	1,8	18,0	391
50 x 2 x 0,6	273,6	1,8	19,4	469
100 x 2 x 0,6	545,3	2,0	27,9	878
2 x 2 x 0,8	21,1	1,8	8,6	74
6 x 2 x 0,8	59,5	1,8	11,3	141
10 x 2 x 0,8	98,9	1,8	13,2	203
20 x 2 x 0,8	194,9	1,8	17,3	346
40 x 2 x 0,8	387,8	2,0	20,7	590
50 x 2 x 0,8	484,8	2,0	22,5	715

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