



Construction:

Conductor	: plain copper conductor, solid.
Insulation	: PVC compound, Y11;
Lay-up	: pairs laid up in layers of optimum pitch. * 2 pairs twisted as star-quad.
Screen	: tinned Cu drain wire under the AL-PES tape.
Drain wire Ø	: 0,40 mm ≤ 10 pairs; 0,60 mm > 10 pairs.
Outer sheath	: PVC compound, YM1.
Sheath colour	: RAL 7032, grey or RAL 3000, red.
Separator	: polyester tape.

Technical data and tests:

Conductor resistance (loop)	: 0,60 mm = 65 Ω/km; 1 mm = 43.8 Ω/km; 0,80 mm = 36 Ω/km; 1.38 mm = 23 Ω/km;
Insulation resistance	: min. 100 MΩ/km.
Mutual Capacitance	: max. 100 nF/km (800 Hz). * This value may be exceeded by 20% by cables with up to 4 pairs.
Capacity Unbalanced (k)	: 300 pF / 100 mt. * 20% of the values, at least one value up to 500 pF permitted.
Operating voltage, peak	: max. 300 V. * up to 600V permissible for short periods (6 s/min).
Test voltage	: core / core & screen / core : 800 V.
Temperature range	: 30° C ~ + 70° C.
Min. bending radius	: 10 x D.

Core stranding	: cores are twisted into pairs (2-pairs cable stranded as star-quad), pairs stranded in layers.
Core identification	: two-pair cable: red, black, white, yellow. More than two-pairs are in continuous sequence: white-blue, white-yellow, white-green, white-brown, white-black. In the 1-st pair of each layer there is one red core red in place of the white one.

Standards:

Core identification	: VDE 0815.
Conductor	: DIN EN 60228.
Flame retardance test	: IEC 60332-1 & EN 50265-2-1.
Insulation	: VDE 0207-4.
Outer sheath	: VDE 0207-5.

Applications:

This installation cable can be used for fire alarm, in fixed installations within dry or damp premises, under or on plaster; it can also be used for fixed installations on external walls. It must not be directly laid in ground or water, and it is not intended for supply purposes. Furthermore this cable is suitable for applications at small bending radius. The electrostatic screen protects transmission circuits against external disturbing electromagnetic impacts.





HALLEY CABLES

J-Y(St)Y Lg

Fire alarm cables

PVC insulated, screened, fire alarm installation cable

www.halleycables.com

DIMENSIONS

No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
1x2x0,60	4,5	7	25
2x2x0,60	6,0	13	35
3x2x0,60	6,2	18	45
6x2x0,60	7,5	35	45
4x2x0,60	6,7	24	60
5x2x0,60	7,4	30	70
8x2x0,60	8,1	45	95
10x2x0,60	9,1	58	115
12x2x0,60	9,4	71	130
16x2x0,60	10,4	93	165
20x2x0,60	10,9	115	200
24x2x0,60	12,1	140	225
30x2x0,60	13,3	172	295
40x2x0,60	14,6	230	370
50x2x0,60	16,0	285	450
1x2x0,80	5,7	11	40
2x2x0,80	8,1	21	60
3x2x0,80	8,5	31	80
4x2x0,80	9,2	41	100
5x2x0,80	10,4	52	125
6x2x0,80	10,5	62	145
8x2x0,80	11,5	82	175
10x2x0,80	13,3	102	225
12x2x0,80	13,9	123	260
16x2x0,80	15,5	164	320
20x2x0,80	16,4	205	370
24x2x0,80	18,8	245	470
30x2x0,80	20,0	305	555
40x2x0,80	21,3	405	715
50x2x0,80	25,2	505	900
1x2x1	6,5	22	50
*2x2x1	8,0	37	70
3x2x1	9,7	52	110
4x2x1	11,0	67	140
6x2x1	13,1	97	195
8x2x1	14,3	127	250
10x2x1	15,9	157	300
1x2x1,38*	6,6	43	75
2x2x1,38	7,8	70	120
3x2x1,38*	12,2	100	180
4x2x1,38*	13,4	129	220
6x2x1,38*	16,2	187	325
8x2x1,38*	18,4	244	415
10x2x1,38*	19,8	302	485

*1,38 mm = 1,50 mm2



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