

J - Y(St)Y...Lg

PVC INSULATED, SCREENED FIRE ALARM INSTALLATION CABLES



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APPLICATION: These cables are used for fire alarm cables as an fixed indoor installations. These cables are suitable for applications at small bending radius.

CABLE DESIGN

Conductor	: Plain copper conductor, solid
Insulation	: PVC compound , Y11; VDE 0207-4
Core identification	: VDE 0815
Pair	: Two conductors twisted to a pair
Lay-up	: Pairs laid up in layers of optimum pitch
Separator	: Polyester tape
Screen	: Tinned Cu drain wire under the AL-PES tape drain wire; Ø : 0,40 mm ≤ pairs Ø : 0,60 mm > pairs
Outer sheath	: PVC compound, YM1; VDE 0207-5
Sheath colour	: RAL 7032.Grev

* 2 pairs twisted as star-quad

NOTE: Upon request all conductors can be with tinned copper

TECHNICAL DATA

Standard	: VDE 0815
Conductor resistance (loop)	: mm 0,60 0,80 1,00 1,38 mm Ω/km 65 43,8 23,0 Ω/km
Insulation resistance	: Min. 100 MΩ.km
Mutual Capacitance (800 Hz)	: Max. 100 ¹⁾ nF/km
Capacity Unbalanced(k)	: Max. 300 ²⁾ pF / 100 mt
Operating voltage, peak	: Max. 300 ³⁾ V
Test voltage (AC 50 Hz)	: Core / core & screen / core : 800
Temperature range	: V : - 30 °C ~ + 70 °C
Min. bending radius	: 10xD
Flame retardance test	: IEC 60332-1 & EN 50265-2-1

- 1) This value may be exceeded by 20% by cables with up to 4 pairs
- 2) 20% of the values, at least one value up to 500 pF permitted
- 3) up to 600V permissible for short periods (6 s/min)

No. of pairs x Conductor Diameter (mm)	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
4x2x0,60	6,7	24	60
5x2x0,60	7,4	30	70
6x2x0,60	7,5	35	45
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

No. of pairs x Conductor Diameter (mm)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
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

- Die obigen Werte entsprechen den Angaben des Herstellers und können nicht garantiert werden.
- Wir behalten uns das Recht vor, Änderungen ohne vorherige Ankündigung vorzunehmen.
- Alle anderen Größen oder andere Ausführungen auf Anfrage

- The above values correspond to the manufacturer's specifications and are not guaranteed.
- We reserve the right to change details without notice.
- Any other sizes or any other designs available on request.

