



■ J - Y(St)CY...Lg

APPLICATION: These cables are used for fire alarm cables as an fixed indoor installations. Double screened provides more protection against electromagnetic interferences. Additionally 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 <u>Drain wire:</u> Ø : 0,40 mm ≤ 10 pairs Ø : 0,60 mm > 10 pairs
Screen	: Braid of tinned Cu wires, 65% coverage
Outer sheath	: PVC compound, YM1; VDE 0207-5
Sheath colour	: RAL 7032,Grey

* 2 pairs twisted as star-quad

** Upon request drain wire dimension

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

3³⁾ 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	5,4	17	45
*2x2x0,60	5,6	25	60
3x2x0,60	6,5	31	70
4x2x0,60	7,1	49	80
6x2x0,60	7,8	50	100
8x2x0,60	8,3	62	125
10x2x0,60	9,5	77	150
1x2x0,80	6,0	24	50
*2x2x0,80	6,9	37	70
3x2x0,80	8,6	48	100
4x2x0,80	9,1	60	120
6x2x0,80	11,0	86	160
8x2x0,80	12,0	108	195
10x2x0,80	13,2	133	265

No. of pairs x Conductor Diameter (mm)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
1x2x1	7,1	35	65
*2x2x1	8,5	52	90
3x2x1	10,2	72	125
4x2x1	11,5	89	170
6x2x1	13,7	122	230
8x2x1	14,9	157	285
10x2x1	16,5	189	345
1x2x1,38*	8,3	59	95
2x2x1,38	9,1	88	145
3x2x1,38*	12,7	123	210
4x2x1,38*	13,9	155	255
6x2x1,38*	16,7	220	365
8x2x1,38*	18,9	282	465
10x2x1,38*	20,3	343	540

*1,38 mm = 1,50 mm²

■ 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.