

J-YY...Bd

PVC INSULATED, INSTALLATION CABLE FOR COMMUNICATIONS



APPLICATION: These cables are used for signal and data communications as an fixed indoor installations. 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	: IEC 708
Lay-up	: Star quads, each 5 star quads stranded in a units, each unit laid up in layers
Separator	: Polyester tape
Outer sheath	: PVC compound, YM1; VDE 0207-5
Sheath colour	: RAL 7032,Grey
* Core identification differs from VDE 0815	

TECHNICAL DATA

Standard	: VDE 0815
Conductor resistance (loop)	: 0,60 mm = 130 Ω/km
Insulation resistance	: Min. 100 MΩ.km
Mutual Capacitance (800 Hz)	: Max. 100 ¹⁾ nF/km
Capacity Unbalanced	: Max. 300 ²⁾ pF / 100 mt
Operating voltage, peak	: Max. 300 V
Test voltage (AC 50 Hz)	: Core / core : 800 V Core / core : 1000 V
Temperature range	: Fixed : - 30 °C ~ + 70 °C Mobile: - 5 °C ~ + 50 °C
Min. bending radius	: 7,5xD
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

Cross Sections

Part-number	No. of pairs x Conductor Diameter (mm)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
1407 03 002	2x2x0,60	4,6	11	30
1407 03 004	4x2x0,60	6,1	23	55
1407 03 006	6x2x0,60	6,5	34	70
1407 03 008	8x2x0,60	7,6	45	85
1407 03 020	10x2x0,60	8,0	57	105
1407 03 010	20x2x0,60	10,6	113	190
1407 03 030	30x2x0,60	13,0	170	270
1407 03 040	40x2x0,60	14,4	225	355
1407 03 050	50x2x0,60	16,1	283	425
1407 03 060	60x2x0,60	18,1	339	505
1407 03 080	80x2x0,60	20,0	452	675
1407 03 100	100x2x0,60	21,9	565	835