

YV-Equipment Wires / YR-Bell Sheathed Cables according to VDE 0812



Technical data

YR-Bell Sheathed Cables

- Adapted to DIN VDE 0812
- **Minimum bending radius**
15x cable Ø

YV-Equipment Wires

- Equipment wires with PVC core insulation to DIN VDE 0812
- Temperature range
flexing -5°C to +70°C
fixed installation -30°C to +70°C

• Electrical characteristics

cond. Ø + cores Ø	conductor resistance at 20° C		nominal voltage V	test voltage age a.c., 50 Hz V
	single- core Ømm/	multi- core Ømm/		
	km	km		
0,3/0,7	263	274	550	900
0,4/0,8	144	148	500	1200
0,5/0,9	92,2	95	500	1200
0,8/1,4	36	36,7	900	2500
1,0/1,8	22,8	23,3	900	2500
1,4/2,2	11,6	11,9	900	2500
1,8/2,8	7,1	7,2	1500	3000

Cable construction

YV-Equipment Wires

- Solid, tinned copper conductor
0,3 to 1,8 mm Ø
- PVC core insulation, Y13 to DIN VDE 0207 part 4
- Mono or twin colour wires, twin colour wires have a base colour with the second colour superimposed in ring form
- Colour code to DIN 47002

YR-Bell Sheathed Cables

- Bare copper conductor, solid 0,8 mm
- Cores stranded in layer
- Colour identification code see Technical Informations
- PVC-Outer jacket, white

Properties

YV-Equipment Wires

- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

• Installation notes

The equipment wires are to be so uncoiled from drums or coils so that no kinks or twisting torsional stress can be occurred. Those are allowed to install as self-supporting shaped wires independently ensuring the free-movements so as to gain a compensating bending. These are used without any mechanical stress, pull, pressure, abrasion and notch. Several equipment wires are used together in form of a bunch.

The insulating coverings are not to be cut through the binding materials. The binding materials must be nonconductive and not allowed to swell or shrink in humidity. During the soldering process without jointing clamp, the soldering period is to be shortened so that the insulating covering should not be shrunk or injured.

Application

YV-Equipment Wires

Single core cables for use in small apparatus, switching and intercom system and for data transmission. These cables are not allowed for the installation of heavy current operation. Equipment wire are used for wiring to the switchboards, amplifiers and dial intercommunicating systems, measuring instruments, telephone exchange, clock centrals and data processing apparatus etc. These wires are not permitted to apply outside of equipment for high power ratings.

YR-Bell Sheathed Cables

For different applications up to max. 100 V operating voltage, for fixed installation above and beneath plaster.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

YV-Equipment Wires

Part No.	No. cores x cond Ø / core Ø mm	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
28900	1 x 0,3 / 0,7	0,7	0,7	1,2
28901	2 x 0,3 / 0,7	1,4	1,4	2,4
28902	3 x 0,3 / 0,7	1,6	2,1	3,6
28903	1 x 0,4 / 0,8	0,8	1,3	1,8
28904	2 x 0,4 / 0,8	1,6	2,5	3,6
28905	3 x 0,4 / 0,8	1,8	3,8	5,4
28906	1 x 0,5 / 0,9	0,9	2,0	2,5
28907	2 x 0,5 / 0,9	1,8	3,9	5,0
28908	3 x 0,5 / 0,9	2,0	5,9	7,5
28909	4 x 0,5 / 0,9	2,2	7,9	10,0
28910	1 x 0,8 / 1,4	1,4	5,0	6,0
28911	2 x 0,8 / 1,4	2,8	10,0	12,0
28912	3 x 0,8 / 1,4	3,0	15,0	18,0
28913	4 x 0,8 / 1,4	3,4	20,0	24,0
28914	1 x 1 / 1,8	1,8	7,9	10,0
28915	2 x 1 / 1,8	3,6	16,0	20,0
28916	3 x 1 / 1,8	4,0	24,0	30,0
28917	1 x 1,4 / 2,2	2,2	15,0	17,0
28918	1 x 1,8 / 2,8	2,8	25,0	27,5

YR-Bell Sheathed Cables

Part No.	No. cores x cond Ø / core Ø mm	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
28919	2 x 0,8 / 1,4	4,0	9,6	27,0
28920	3 x 0,8 / 1,4	4,4	14,4	33,0
28921	4 x 0,8 / 1,4	4,9	19,2	41,0
28922	5 x 0,8 / 1,4	5,3	24,0	48,0
28923	6 x 0,8 / 1,4	5,8	28,8	56,0
28924	8 x 0,8 / 1,4	6,5	38,0	70,0
28925	10 x 0,8 / 1,4	7,6	48,0	84,0
28926	12 x 0,8 / 1,4	7,7	58,0	98,0
28927	16 x 0,8 / 1,4	8,6	77,0	124,0
28928	24 x 0,8 / 1,4	10,5	115,0	188,0

Dimensions and specifications may be changed without prior notice.