



Technical data

- Installation cable according to DIN VDE 0815
- **Temperature range**
during operation -5°C to +50°C
before and after installation
-30°C to +70°C
- **Loop resistance**
at 20°C max. 130 Ohm/km
- **Nominal voltage**
(peak voltage) 300 V
- **Test voltage** (50 Hz)
core/core U eff. 800 V
- **Insulation resistance**
min. 100 MOhm x km
- **Mutual capacitance**
at 800 Hz max. 100¹⁾ nF/km
- **Capacitance unbalances** at 800 Hz
k₁ max. 300²⁾ pF/100 m
k_{9...k₁₂} 100³⁾ pF/100 m
- **Line attenuation**
at 800 Hz 1,48 dB/km
- **Minimum bending radius**
to DIN VDE 0891 part 5
during delivery 7,5x cable Ø
single bending without tension
2,5x cable Ø
repeated bending under tension
7,5x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Caloric load values**
see Technical Informations

Cable structure

- Bare copper conductor, solid, 0,6 mm Ø
- PVC core insulation, compound type Y11 to DIN VDE 0207, insulation wall-thickness 0,2 mm to table 7
- Core and star quad identification to DIN VDE 0815
- The cores to a quad and each 5 quads to a unit and several units are stranded in layer
- Core wrapping with plastic tape
- PVC outer jacket grey, flame retardant, compound type YM1 to DIN VDE 0207 part 5, jacket wall-thickness to DIN VDE 0815 table 19

Properties

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- ¹⁾ This value may be extended by 20% with a make-up to 4 pairs.
- ²⁾ 20% of the values, but one value up to 500 pF is allowed.
- ³⁾ 10% of the values, but four values (relationship) up to 300 pF are allowed.

Application

J-YY installation cables are preferably used as telephone cables in telephone stations and sub-extensions, suitable for installation in dry and damp environments in, on and under plaster as well as in the open air for fixed installation on outer walls of buildings.

Telephone-Installation cables are not allowed for purposes of high current and power installation.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part No.	No.pairs x diameter mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
33100	2 x 2 x 0,6	4,5	11,0	34,0
33101	4 x 2 x 0,6	6,5	23,0	59,0
33102	6 x 2 x 0,6	7,0	34,0	74,0
33103	10 x 2 x 0,6	8,5	57,0	111,0
33104	16 x 2 x 0,6	10,0	90,0	160,0
33105	20 x 2 x 0,6	11,0	113,0	200,0
33106	24 x 2 x 0,6	11,5	136,0	224,0

Part No.	No.pairs x diameter mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
33107	30 x 2 x 0,6	13,0	170,0	284,0
33108	40 x 2 x 0,6	15,0	226,0	364,0
33109	50 x 2 x 0,6	16,5	283,0	451,0
33110	60 x 2 x 0,6	17,5	339,0	529,0
33111	80 x 2 x 0,6	20,3	452,0	700,0
33112	100 x 2 x 0,6	22,3	565,0	850,0

Dimensions and specifications may be changed without prior notice. (RP01)

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