



## Technical data

- Installation cable adapted 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. 73,2 Ohm/km
- **Nominal voltage**  
(peak voltage) 300<sup>3)</sup> V
- **Test voltage** (50 Hz)  
core/core U eff. 800 V  
core/screen 800 V
- **Insulation resistance**  
min. 100 MOhm x km
- **Mutual capacitance**  
at 800 Hz max. 100<sup>1)</sup> nF/km
- **Capacitance unbalances**  
at 800 Hz k - max. 300<sup>2)</sup> pF/100 m
- **Line attenuation**  
at 800 Hz 1,1 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 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable construction

- Solid plain copper wire 0,8 mm Ø
- PVC core insulation Y11, to DIN VDE 0207 part 4
- Cores twisted in pairs Pairs stranded in layer
- Plastic coated aluminium foil static screening (St)
- Tinned copper drain wire PVC outer sheath YM1, to DIN VDE 0207 part 5
- Red PVC outer jacket with imprint Brandmeldekabel

## Properties

- 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)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- <sup>1)</sup> This value may be extended by 20% with a make-up to 4 pairs.
- <sup>2)</sup> 20% of the values, but one value up to 500 pF is allowed.
- <sup>3)</sup> Short time operation (6 s/min) up to 600 V permitted.

## Application

This cable type with electrostatic screening (St) protects the transmission circuits against external electrical interferences. Installation cables laid up in pairs are preferably used for indoor telecommunication installation in dry and damp places, in, on and under plaster but also in the open air for fixed installation on outer walls of buildings.

These cables are suitable for telephone stations and sub-extensions, for signal and data transmission. 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 73/23/EEC and 93/68/EEC.

Part No.	No. pairs x diameter mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	Part No.	No. pairs x diameter mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
33035	1 x 2 x 0,8	4,5	11,0	38,0	33045	16 x 2 x 0,8	16,0	164,0	320,0
33036	2 x 2 x 0,8	7,0	21,0	60,0	33046	20 x 2 x 0,8	17,0	204,0	380,0
33037	3 x 2 x 0,8	8,5	31,0	80,0	33047	24 x 2 x 0,8	19,0	244,0	460,0
33038	4 x 2 x 0,8	9,0	41,0	100,0	33048	30 x 2 x 0,8	20,8	304,0	560,0
33039	5 x 2 x 0,8	9,5	52,0	120,0	33049	40 x 2 x 0,8	23,0	405,0	710,0
33040	6 x 2 x 0,8	11,0	62,0	140,0	33050	50 x 2 x 0,8	26,0	505,0	900,0
33041	8 x 2 x 0,8	11,5	82,0	170,0	33051	60 x 2 x 0,8	28,0	606,0	1050,0
33042	10 x 2 x 0,8	13,2	102,0	220,0	33052	80 x 2 x 0,8	31,5	807,0	1400,0
33043	12 x 2 x 0,8	14,2	123,0	250,0	33053	100 x 2 x 0,8	33,0	1008,0	1750,0
33044	14 x 2 x 0,8	14,6	145,0	280,0					

Dimensions and specifications may be changed without prior notice.