J-Y(St)Y Lg telephone installation cable, according to VDE 0815

RoHS

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
  0,6 mm - max. 130 Ohm/km
  0,8 mm - max. 73,2 Ohm/km
- **Nominal voltage** (peak voltage)
  0,6 mm - 300 V
  0,8 mm - 300[3] V
- **Test voltage**
  core/core U eff. 800 V
  core/screen 800 V
- **Insulation resistance**
  min. 100 MOhm x km
- **Mutual capacitance** at 800 Hz
  max. 100[1] nF/km
- **Capacitance unbalances** at 800 Hz
  k- max. 300[2] pF/100 m
- **Line attenuation** at 800 Hz
  0,6 mm - 1,7 dB/km
  0,8 mm - 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^{6} cJ/kg (up to 80 Mrad)
- **Caloric load values**
  see Technical Informations

Cable construction

- As per J-YY, but laid up in pairs and with electrostatic screen (St)
- Bare copper conductor, solid, 0,6 and 0,8 mm Ø
- PVC core insulation, compound type YI1, to DIN VDE 0207, insulation wall-thickness 0,2 mm and 0,4 mm to table 7
- Core and pair identification to DIN VDE 0815
- Cores twisted to pairs and the pairs are stranded in layers
- Core wrapping with plastic tape
- Electrostatic screen (St) of plastic coated aluminium foil and drain wire
- 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 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

- [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] Short time operation (6 s/min) up to 600 V permitted.

Application

This cable type with electrostatic screening (St) protects the transmission circuits against extern 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
33001	2 x 2 x 0,6	5,0	13,0	40,0	33018	2 x 2 x 0,8	7,0	21,0	60,0
33002	3 x 2 x 0,6	6,3	18,0	50,0	33019	3 x 2 x 0,8	8,5	31,0	80,0
33003	4 x 2 x 0,6	6,5	24,0	60,0	33020	4 x 2 x 0,8	9,0	41,0	100,0
33004	5 x 2 x 0,6	7,2	30,0	70,0	33021	5 x 2 x 0,8	9,5	52,0	120,0
33005	6 x 2 x 0,6	7,5	35,0	80,0	33022	6 x 2 x 0,8	11,0	62,0	140,0
33006	8 x 2 x 0,6	8,0	46,0	90,0	33023	8 x 2 x 0,8	11,5	82,0	170,0
33007	10 x 2 x 0,6	10,0	58,0	110,0	33024	10 x 2 x 0,8	13,2	102,0	220,0
33008	12 x 2 x 0,6	10,2	71,0	130,0	33025	12 x 2 x 0,8	14,2	123,0	250,0
33009	16 x 2 x 0,6	11,0	93,0	160,0	33026	16 x 2 x 0,8	16,0	164,0	320,0
33010	20 x 2 x 0,6	12,0	116,0	190,0	33027	20 x 2 x 0,8	17,0	204,0	380,0
33011	24 x 2 x 0,6	13,0	139,0	220,0	33028	24 x 2 x 0,8	19,0	244,0	460,0
33012	30 x 2 x 0,6	14,0	172,0	280,0	33029	30 x 2 x 0,8	20,8	304,0	560,0
33013	40 x 2 x 0,6	15,0	220,0	350,0	33030	40 x 2 x 0,8	23,0	405,0	710,0
33014	50 x 2 x 0,6	17,0	286,0	430,0	33031	50 x 2 x 0,8	26,0	505,0	900,0
33015	60 x 2 x 0,6	19,0	342,0	500,0	33032	60 x 2 x 0,8	28,0	606,0	1050,0
33016	80 x 2 x 0,6	21,0	455,0	640,0	33033	80 x 2 x 0,8	31,5	807,0	1400,0
33017	100 x 2 x 0,6	24,0	568,0	850,0	33034	100 x 2 x 0,8	33,0	1008,0	1750,0

Dimensions and specifications may be changed without prior notice.

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