J-Y(St)Y Lg fire warning installation cable

Technical data

- Installation cable adapted to DIN VDE 0815
- **Temperature range** during operation -5°C to +50°C fixed installation -30°C to +70°C
- **Loop resistance** at 20°C max. 73,2 Ohm/km
- **Operating peak voltage** 300[3)] V (not for purposes of high current and power installation)
- **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[1)] nF/km
- **Capacitance unbalances** at 800 Hz k - max. 300[2)] 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 5x cable Ø repeated bending under tension 7,5x cable Ø
- **Radiation resistance** up to 80x10^6 cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper-conductor, single-wire
- Core insulation of PVC, compound type YI1 to DIN VDE 0207 part 4
- Core and pair identification to DIN VDE 0815
- Cores twisted in pairs Pairs stranded in layer
- Foil wrapping
- Plastic coated aluminium foil static screening (St)
- Outer sheath of PVC, flame retardant, compound type YM1 to DIN VDE 0207 part 5
- Sheath colour red, with imprint "Brandmelde-Kabel"

Properties

- PVC self-extinguishing and flame retardant acc. to DIN 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)] Short time operation (6 s/min) up to 600 V permitted.
- 2-paired cables: cores are stranded to a star quad.

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 telecommunication installation in dry and damp premises, and in or under plaster, in the open air for fixed installation. 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 2006/95/EC.

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	
33035	1 x 2 x 0,8	4,5	11,0	38,0	-
33036	2 x 2 x 0,8	7,0	21,0	60,0	-
33037	3 x 2 x 0,8	8,5	31,0	80,0	-
33038	4 x 2 x 0,8	9,0	41,0	100,0	-
33039	5 x 2 x 0,8	9,5	52,0	120,0	-
33040	6 x 2 x 0,8	11,0	62,0	140,0	-
33041	8 x 2 x 0,8	11,5	82,0	170,0	-
33042	10 x 2 x 0,8	13,2	102,0	220,0	-
33043	12 x 2 x 0,8	14,2	123,0	250,0	-
33044	14 x 2 x 0,8	14,6	145,0	280,0	-

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	
33045	16 x 2 x 0,8	16,0	164,0	320,0	-
33046	20 x 2 x 0,8	17,0	204,0	380,0	-
33047	24 x 2 x 0,8	19,0	244,0	460,0	-
33048	30 x 2 x 0,8	20,8	304,0	560,0	-
33049	40 x 2 x 0,8	23,0	405,0	710,0	-
33050	50 x 2 x 0,8	26,0	505,0	900,0	-
33051	60 x 2 x 0,8	28,0	606,0	1050,0	-
33052	80 x 2 x 0,8	31,5	807,0	1400,0	-
33053	100 x 2 x 0,8	33,0	1008,0	1750,0	-

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