

J-Y(St)Y Lg BRANDMELDEKABEL

Fire warning installation cables



Cable structure

- Bare copper conductor, solid \varnothing 0,8 mm
- PVC core insulation
- Core and pair identification according to DIN VDE 0815
- Cores twisted to pairs and pairs stranded in layers with optimal lay-length
- Core wrapped with plastic tape
- Electrostatic screen (St) of plastic coated aluminium foil with drain wire
- PVC red outer sheath with imprint BRANDMELDEKABEL
- PVC self-extinguishing and flame resistant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Installation cable according to DIN VDE 0815
- **Temperature range** during installation $-5\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$
fixed installation $-30\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
- **Line attenuation** at 800 Hz dB/km 1,7 resp. 1,1
- **Minimum bending radius** $7,5 \times$ cable diameter
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Electrical characteristics at 20 °C

Core \varnothing	Loop resistance (loop) max Ω /km	Insulation resistance min.G Ω /km	Mutual capacitance nF/km	Test voltage a.c. U _{ef} (V) core-core/screening	Nominal voltage max (V)
0,8	73,2	100	100	800/800	300

Application

These cables are used for installation in fire systems for connecting fire alarms etc. The cable can be installed in dry and moist areas as well for fixed open air installation. This cable type with electrostatic screening (St) protects the transmission circuits against external electrical interferences.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.

Part No.	Number of cores x core cross section [mm ²]	Approx. outer \varnothing [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0833035	1×2×0,8	4,5	20	38
0833036	2×2×0,8	7,0	25	60
0833037	3×2×0,8	8,5	31	80
0833038	4×2×0,8	9,0	41	100
0833039	5×2×0,8	9,5	52	120
0833040	6×2×0,8	11,0	62	140
0833041	8×2×0,8	11,5	82	170
0833042	10×2×0,8	13,2	102	220
0833043	12×2×0,8	14,2	123	250
0833044	14×2×0,8	14,6	145	280

Part No.	Number of cores x core cross section [mm ²]	Approx. outer \varnothing [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0833045	16×2×0,8	16,0	164	320
0833046	20×2×0,8	17,0	204	380
0833047	24×2×0,8	19,0	244	460
0833048	30×2×0,8	20,8	304	560
0833049	40×2×0,8	23,0	405	710
0833050	50×2×0,8	26,0	505	900
0833051	60×2×0,8	28,0	606	1050
0833052	80×2×0,8	31,5	807	1400
0833053	100×2×0,8	33,0	1008	1750