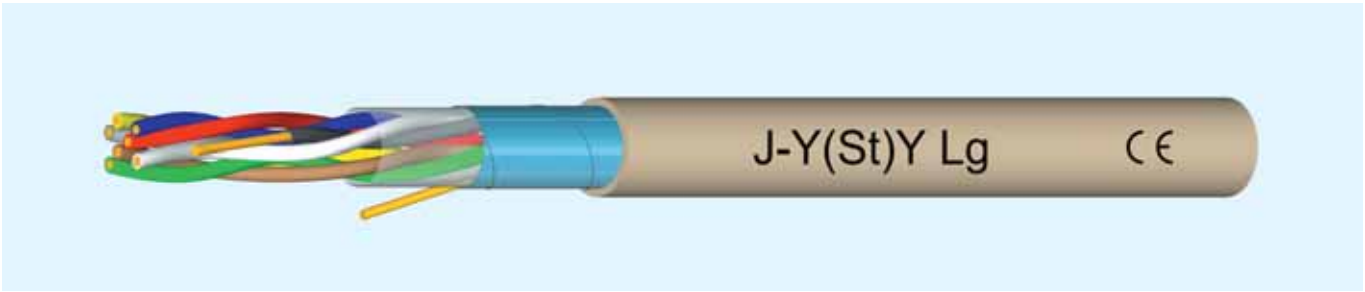
J-Y(St)Y Lg

Cables for telephone installation according to DIN VDE 0815



Cable structure

- Bare copper conductor, solid ∅ 0,6 and 0,8 mm
- PVC core insulation, compound type YI1, according to DIN VDE 0207, insulation wall-thickness 0,2 mm and 0,4 mm
- Core and pair identification according to DIN VDE 0815
- Cores twisted to pairs and pairs stranded in layers with optimal lay-lenght
- Core wrapped with plastic tape
- Electrostatic screen (St) of plastic coated aluminium foil with drain wire
- PVC outer sheath color grey, 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 °C to +50 °C
  fixed installation -30 °C to +70 °C
- **Line attenuation** at 800 Hz dB/km 1,7 resp. 1,1
- **Minimum bending radius**
  7,5× cable diameter
- **Radiation resistance** up to 80 × 10^6 cJ/kg
  (up to 80 Mrad)

Electrical characteristics at 20 °C

Core ∅	Loop resistance (loop) max Ω/km	Insulation resistance min.GΩ/km	Mutual capacitance nF/km	Test voltage a.c. Uef (V) core-core/screening	Nominal voltage max (V)
0,6	130	100	100	800/800	300
0,8	73,2	100	100	800/800	300

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 installations in dry and moist areas but also for outdoor fixed installations on outer walls of buildings. These cables are suitable for telephone stations and sub-extensions for data and signal transmission.

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 sectic [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0833001	2×2×0,6	5,0	13	40
0833002	3×2×0,6	6,3	18	50
0833003	4×2×0,6	6,5	24	60
0833004	5×2×0,6	7,2	30	70
0833005	6×2×0,6	7,5	35	80
0833006	8×2×0,6	8,0	46	90
0833007	10×2×0,6	10,0	58	110
0833008	12×2×0,6	10,2	71	130
0833009	16×2×0,6	11,0	93	160
0833010	20×2×0,6	12,0	116	190
0833011	24×2×0,6	13,0	139	220
0833012	30×2×0,6	14,0	172	280
0833013	40×2×0,6	15,0	220	350
0833014	50×2×0,6	17,0	286	430
0833015	60×2×0,6	19,0	342	500
0833016	80×2×0,6	21,0	455	640
0833017	100×2×0,6	24,0	568	850

Part No.	Number of cores x core cross sectio [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0833018	2×2×0,8	7,0	21	60
0833019	3×2×0,8	8,5	31	80
0833020	4×2×0,8	9,0	41	100
0833021	5×2×0,8	9,5	52	120
0833022	6×2×0,8	11,0	62	140
0833023	8×2×0,8	11,5	82	170
0833024	10×2×0,8	13,2	102	220
0833025	12×2×0,8	14,2	123	250
0833026	16×2×0,8	16,0	164	320
0833027	20×2×0,8	17,0	204	380
0833028	24×2×0,8	19,0	244	460
0833029	30×2×0,8	20,8	304	560
0833030	40×2×0,8	23,0	405	710
0833031	50×2×0,8	26,0	505	900
0833032	60×2×0,8	28,0	606	1050
0833033	80×2×0,8	31,5	807	1400
0833034	100×2×0,8	33,0	1008	1750