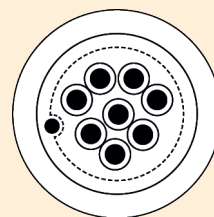


J-Y(St)Y Lg

Telecommunication cable

RoHS

CROSS SECTION



Acc. to VDE 0815

APPLICATION

This cable is used as a voice line in intercom units and telephone extensions for fixed installation in dry and damp rooms, as well as on external walls, protected against direct sunlight. Also for outdoor use. Not suitable for burying underground. The static shield made from plastic-laminated metal foil protects the cable circuits against external electrical interferences to maintain the necessary capacitive coupling values and ensure accurate pulse transmission. Installation advice: when laid, these cables must be unwound from the coil or ring without any twists or kinks.

SPECIAL FEATURES

Properties
Stranded in layers

Sheath colour
Grey

STRUCTURE

Conductor	Copper conductor, bare, solid, 2 cores stranded to form a pair, pairs stranded in concentric layers. Core wrapping
Cores	PVC insulation according to VDE 0207 part 4, colour coding according to VDE 0815
Drain wire	Copper grounding drain wire under metal foil
Shield	Aluminium-laminated foil
Outer sheath	PVC according to VDE 0207 part 5

TECHNICAL DATA

Nominal voltage	300 V
Test voltage	800 V
Loop resistance	At 0.6 m: max. 130 Ohm/km, at 0.8 m: max. 73.2 Ohm/km
Insulation resistance	100 MOhm x km
Cable attenuation	At 800 Hz: 1.12 dB/km
Max. operating temperature	+70°C
Capacitive coupling	At 800 Hz max.: 300 pF/100 m
Min. installation temperature	-5°C
Max. installation temperature	+50°C
Bending radius	Fixed installation: 7.5 x cable diameter

TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Flammability	Test method B acc. to VDE 0472 part 804 and IEC 332-1
---------------------	---

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)	Product number
J Y(St)Y 2x2x0.6	13.0	4.9	35	0.17	3161003
J Y(St)Y 3x2x0.6	18.0	6.2	49	0.20	3161006
J Y(St)Y 4x2x0.6	24.0	6.6	58	0.23	3161009
J Y(St)Y 5x2x0.6	30.0	7.1	59	0.26	3161012
J Y(St)Y 6x2x0.6	35.0	7.6	61	0.28	3161015
J Y(St)Y 8x2x0.6	46.0	8.1	90	0.29	3161018
J Y(St)Y 10x2x0.6	58.0	9.0	110	0.33	3161021
J Y(St)Y 12x2x0.6	71.0	9.5	129	0.38	3161024
J Y(St)Y 16x2x0.6	93.0	10.4	160	0.43	3161026
J Y(St)Y 20x2x0.6	116.0	10.9	190	0.47	3161029
J Y(St)Y 24x2x0.6	139.0	12.5	230	0.52	3161030
J Y(St)Y 30x2x0.6	172.0	13.5	284	0.69	3161031
J Y(St)Y 40x2x0.6	229.0	14.5	358	0.77	3161032
J Y(St)Y 50x2x0.6	286.0	16.5	438	0.92	3161033
J Y(St)Y 60x2x0.6	342.0	17.5	512	1.20	3161034
J Y(St)Y 80x2x0.6	455.0	19.6	650	1.41	3161035
J Y(St)Y 100x2x0.6	568.0	22.1	829	1.83	3161036
J Y(St)Y 2x2x0.8	21.0	6.1	54	0.25	3162003
J Y(St)Y 3x2x0.8	31.0	8.0	77	0.31	3162006
J Y(St)Y 4x2x0.8	41.0	8.7	94	0.38	3162009
J Y(St)Y 5x2x0.8	52.0	9.4	114	0.43	3162012
J Y(St)Y 6x2x0.8	62.0	10.1	135	0.50	3162015
J Y(St)Y 8x2x0.8	82.0	10.2	154	0.56	3162018
J Y(St)Y 10x2x0.8	102.0	13.1	205	0.75	3162021
J Y(St)Y 12x2x0.8	123.0	13.5	235	0.81	3162024
J Y(St)Y 16x2x0.8	164.0	14.8	299	1.00	3162032
J Y(St)Y 20x2x0.8	204.0	15.6	352	1.13	3162035
J Y(St)Y 24x2x0.8	244.0	18.9	437	1.45	3162038
J Y(St)Y 30x2x0.8	304.0	19.4	522	1.70	3162041
J Y(St)Y 40x2x0.8	405.0	20.9	663	2.08	3162042
J Y(St)Y 50x2x0.8	506.0	23.7	832	2.65	3162043
J Y(St)Y 60x2x0.8	606.0	25.8	978	2.84	3162044
J Y(St)Y 80x2x0.8	807.0	28.8	1285	3.92	3162045
J Y(St)Y 100x2x0.8	1008.0	36.0	1780	4.94	3162046