Telecommunication cable
J-Y(St)Y ... Lg

Application: Preferably for telecommunication installations inside buildings in dry and humid rooms, but also for permanent installation at external walls if protected from sunlight. These cables are not approved for high-voltage applications.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Standard:	VDE 0815
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	PVC TI1
Stranding unit:	pair
Stranding:	Layers
Screen over strand:	Foil
Drain wire:	yes
Sheathing material:	PVC YM1
Colour of outer sheath:	grey RAL 7032
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +50 °C
Bending radius, fixed installation:	7.5 x Ø
Bending radius, single bend:	2.5 x Ø
Insulation resistance:	100 MOhmxkm
Coupling K1:	300 pF

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Stranding:	cores twisted into pairs (2-pairs cable stranded as star-quad), pairs stranded in layers
Core identification:	two-pair cable: red, black, white, yellow.
	More than two-pairs are in continuous sequence: white-blue, white-yellow, white-green, white-brown, white-black.
	In the 1-st pair of each layer tehere is one red core red in place of the white one.

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Maximum operating capacity: 100 nF/km

Core identification: colours acc. to VDE 0815

peak operating voltage, V: 300 V

part no.	part name	Dl [mm]	Ø [mm]	Cu	G [kg]
100001	01X2X0.6	0.6	5	7	30
100003	02X2X0.6	0.6	5.5	13	35
100005	03X2X0.6	0.6	6.3	18	50
100007	04X2X0.6	0.6	6.8	24	55
100009	05X2X0.6	0.6	7.2	30	65
100011	06X2X0.6	0.6	7.5	35	75
100013	08X2X0.6	0.6	8	46	90
100017	10X2X0.6	0.6	9	58	110
100019	12X2X0.6	0.6	9.5	71	130
100021	14X2X0.6	0.6	10	82	150
100023	16X2X0.6	0.6	10.5	93	155
100025	20X2X0.6	0.6	11	116	200
100027	24X2X0.6	0.6	11.5	139	235
100029	30X2X0.6	0.6	13	172	275
100031	40X2X0.6	0.6	15	229	350
100033	50X2X0.6	0.6	17	286	445
100035	60X2X0.6	0.6	18	342	520
100037	80X2X0.6	0.6	20.5	455	675
100015	100X2X0.6	0.6	23	568	870
100002	01X2X0.8	0.8	6	11	40
100004	02X2X0.8	0.8	7	21	55
100006	03X2X0.8	0.8	8.5	31	80
100008	04X2X0.8	0.8	9	41	95
100010	05X2X0.8	0.8	9.5	52	115
100012	06X2X0.8	0.8	10.5	62	130
100014	08X2X0.8	0.8	11.5	82	160
100018	10X2X0.8	0.8	13	102	205
100020	12X2X0.8	0.8	14	123	240
100022	14X2X0.8	0.8	14.5	144	280
100024	16X2X0.8	0.8	15.5	164	300
100026	20X2X0.8	0.8	16.5	204	380
100028	24X2X0.8	0.8	19	244	445
100030	30X2X0.8	0.8	20	304	540
100032	40X2X0.8	0.8	22.5	405	710
100034	50X2X0.8	0.8	25.5	506	875
100036	60X2X0.8	0.8	28	606	1085
100038	80X2X0.8	0.8	31	807	1440
100016	100X2X0.8	0.8	32	1008	1790

Dl	diameter conductor
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000