



conductor material:	bare copper
insulation:	PVC TI1
screen:	foil
drain wire:	yes
sheathing material:	PVC TM1
colour of outer sheath:	gray RAL 7035
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	70 °C
fixed:	
temperature, moved/during	5 - 70 °C
installation:	
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: This cable has a static foil screen for limiting its irradiated electromagnetic field in areas with high requirements to EMC as computer rooms, hospitals as well as in living rooms with high sensitivity to electrical and/or magnetical fields. For installation on and under plaster in dry and wet rooms, as well as inside of walls or in concrete. Also for outdoor use, if the cable is protected against direct sun irradiation.



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.

Table: Technical characteristics (N)YM(St)-J

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
020308	(N)YM(St)-J 03X1,5 RE GR	RE	12,1	15	45	9	51	154
020309	(N)YM(St)-J 04X1,5 RE GR	RE	12,1	14	55	11	65	184
020310	(N)YM(St)-J 05X1,5 RE GR	RE	12,1	14	57,5	11,5	80	208
020311	(N)YM(St)-J 07X1,5 RE GR	RE	12,1	14	60	11,9	108	248
020312	(N)YM(St)-J 03X2,5 RE GR	RE	7,41	18	55	11	80	203
020313	(N)YM(St)-J 04X2,5 RE GR	RE	7,41	18	57,5	11,5	104	256
020314	(N)YM(St)-J 05X2,5 RE GR	RE	7,41	18	60	12	128	284
020315	(N)YM(St)-J 03X4 RE GR	RE	4,61	24	57,5	11,5	123	290
020316	(N)YM(St)-J 05X4 RE GR	RE	4,61	24	67,5	13,5	200	444
020317	(N)YM(St)-J 03X6 RE GR	RE	3,08	31	75	15	180	379
020318	(N)YM(St)-J 05X6 RE GR	RE	3,08	31	77,5	15,5	296	567
020319	(N)YM(St)-J 05X10 RE GR	RE	1,83	41	90	18	488	863
020320	(N)YM(St)-J 05X16 RE GR	RM	1,15	55	130	26	776	1347
020321	(N)YM(St)-J 05X25 RE GR	RM	0,727	72			1208	2023

RI	conductor resistance
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight