

# Screened building wire (N)YM(St)-J



**Application:** This installation cable is statically shielded for limiting the electromagnetic fields of current-carrying conductors in sensitive environments such as IT, hospitals, but also for installation in homes where a particular sensitivity to electromagnetic fields is provided. For installation on, over, in and under plaster in dry, humid and wet rooms as well as in masonry and concrete (except for shaken, jolted, tamped concrete). Also for use outdoors if protected from direct sunlight.

## Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	class 1, up from 16 sqmm class 2
<b>Insulation:</b>	PVC TI1
<b>Screen:</b>	Foil
<b>Drain wire:</b>	yes
<b>Sheathing material:</b>	PVC YM1
<b>Colour of outer sheath:</b>	grey RAL 7035
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	5 - 70 °C



*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.*

## (N)YM(St)-J

<b>Nominal voltage U<sub>o</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV
<b>Protective conductor:</b>	yes
<b>Core identification:</b>	colours acc. to VDE 0293 (HD308)

part no.	part name		DI [mm]	RI [Ohm/km]	I <sub>bl</sub> [A]	R <sub>bv</sub> [mm]	Ø [mm]	Cu	G [kg]
020308	3X1.5	RE	1.5	12.1	15	45	9	51	154

part no.	part name		DI [mm]	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
020309	4X1.5	RE	1.5	12.1	14	55	11	65	184
020310	5X1.5	RE	1.5	12.1	14	57.5	11.5	80	208
020311	7X1.5	RE	1.5	12.1	14	60	11.9	108	248
020312	3X2.5	RE	1.9	7.41	18	55	11	80	203
020313	4X2.5	RE	1.9	7.41	18	57.5	11.5	104	256
020314	5X2.5	RE	1.9	7.41	18	60	12	128	284
020315	3X4	RE	2.4	4.61	24	57.5	11.5	123	290
020316	5X4	RE	2.4	4.61	24	67.5	13.5	200	444
020317	3X6	RE	2.9	3.08	31	75	15	180	379
020318	5X6	RE	2.9	3.08	31	77.5	15.5	296	567
020319	5X10	RE	3.7	1.83	41	90	18	488	863
020320	5X16	RM	4.6	1.15	55	130	26	776	1347

DI	diameter conductor
RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000