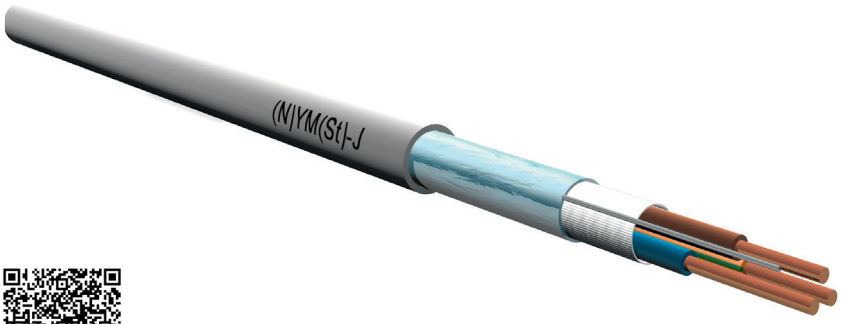
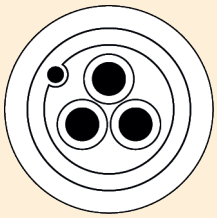
(N)YM(St)
Screened building wire

RoHS



CROSS SECTION



Acc. to VDE 0250

SPECIAL FEATURES

Sheath colour
Grey

APPLICATION

These installation cables are designed to effectively limit electromagnetic interference fields using a static shield. This kind of shield is primarily installed in the computing sector, hospitals or industrial measuring stations with measuring equipment that is particularly susceptible to interferences. These cables are also ideally suited for installation in the homes of people who are susceptible to radiation and highly sensitive. This cable is laid on, in and under plastered surfaces, in dry and humid rooms and within concrete and brickwork (exception: not suitable for directly embedding in vibrated or tamped concrete). It can only be installed outdoors if the cable is not subjected to direct sunlight and/or laid in cable ducts. The use in high-risk areas is prohibited.

STRUCTURE

Conductor	Copper conductor, bare, solid, according to DIN VDE 0295 cl. 1 and IEC 60228 cl. 1
Cores	PVC, YI1 insulation according to DIN VDE 0207 part 4, Inner sheath: plastic filler inner sheath
Arrangement	Cores with optimum lay lengths stranded in layers
Drain wire	Tin plated, solid
Shield	Laminated aluminium foil
Outer sheath	PVC, YM1 according to DIN VDE 0207 part 5

TECHNICAL DATA

Shielded PVC sheathed cable based on DIN VDE 0250 part 204/209

Nominal voltage	300 V/500 V
Test voltage	2000 V
Temperature range	Moving +5°C to +70°C
Temperature range	Fixed installation -30°C to +70°C
Permissible operating temperature	On the conductor: +70°C
Direct current resistance	According to DIN VDE 0295
Current carrying capacity	According to VDE 0100
Min. bending radius	According to DIN VDE 0298 not moving, approx. 4 x cable ø
PVC properties	Self-extinguishing and flame retardant PVC, test method A according to VDE 0472 part 804 and IEC 60332-2

Product description		Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
NYM(ST)-J	3x1.5/1.5 RE	58.0	10.5	154	1065010
NYM(ST)-J	3x2.5/1.5 RE	87.0	12.0	203	1065020
NYM(ST)-J	3x4.0/1.5 RE	123.0	12.5	290	1065030
NYM(ST)-J	3x6.0/1.5 RE	180.0	14.5	379	1065035
NYM(ST)-J	4x1.5/1.5 RE	65.0	11.5	184	1065040
NYM(ST)-J	4x2.5/1.5 RE	104.0	13.0	256	1065050
NYM(ST)-J	4x4.0/1.5 RE	159.0	14.5	359	1065055
NYM(ST)-J	4x6.0/1.5 RE	235.0	16.5	477	1065057
NYM(ST)-J	5x1.5/1.5 RE	87.0	12.0	208	1065060
NYM(ST)-J	5x2.5/1.5 RE	135.0	13.5	285	1065070
NYM(ST)-J	5x4.0/1.5 RE	200.0	14.5	444	1065080
NYM(ST)-J	5x16.0/2.5 RM	776.0	25.4	1347	1065083
NYM(ST)-J	5x6.0/1.5 RE	296.0	17.3	567	1065085
NYM(ST)-J	5x10.0/1.5 RE	488.0	20.5	863	1065087
NYM(ST)-J	5x25.0/2.5 RM	1208.0	30.4	2023	1065109
NYM(ST)-J	7x1.5/1.5 RE	108.0	15.6	250	1065090