

# (N)YM(St)-J

screened



HELUKABEL® (N)YM(St)-J 3G1,5 / 43050 300/500 V CE

## TECHNICAL DATA

PVC Installation cable in alignment with DIN VDE 0250-204

Temperature range	fixed -40°C to +70°C during installation +5°C to +70°C
Permissible operating temperature of the conductor	+70°C
Nominal voltage	AC U <sub>0</sub> /U 300/500 V
Test voltage core/core	2000 V
Minimum bending radius	fixed 4x Outer-Ø

## ■ CABLE STRUCTURE

- Copper conductor bare, 1.5 - 10 mm<sup>2</sup>: solid acc. to DIN VDE 0295 Class 1 / IEC 60228 Class 1; 16 - 25 mm<sup>2</sup>: stranded acc. to DIN VDE 0295 Class 2 / IEC 60228 Class 2
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T11)
- Core identification acc. to DIN VDE 0293-308, 3 - 5 core(s): colour coded  
7 core(s): black cores with consecutive labeling in white digits
- G = with protective conductor GN-YE
- Cores stranded in layers with optimal lay lengths
- drain wire, tinned copper, solid
- Screen: plastic-coated aluminium foil (St)
- Outer sheath: PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM1)

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Beidraht mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
43050	3 G 1.5 re	16	1.5	10.5	58.0	154.0
43051	4 G 1.5 re	16	1.5	11.5	72.0	184.0
43052	5 G 1.5 re	16	1.5	12.0	87.0	208.0
43053	7 G 1.5 re	16	1.5	13.0	115.0	250.0
43054	3 G 2.5 re	14	1.5	12.0	87.0	217.0
43055	4 G 2.5 re	14	1.5	13.0	111.0	256.0
43056	5 G 2.5 re	14	1.5	13.5	135.0	280.0
43057	3 G 4 re	12	1.5	13.5	130.0	228.0

- Sheath colour: grey (RAL 7035)

## ■ TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

## ■ APPLICATION

Installation cable with static screen, designed for the effective limitation of electromagnetic interference fields. The design proves to be advantageous for installation in the computer sector, in hospitals, in industrial control rooms with interference-sensitive devices as well as in living areas of people that are extremely sensitive to radiation. Suitable for installation in dry, damp or wet environments; for installation above, on, in and under plaster as well as in masonry walls and in concrete, however not for direct embedding in vibration, compacted or tamped concrete. Suitable for outdoor installation as long as the cable is protected against direct sunlight.

## ■ NOTES

- re = round, solid conductor  
rm = round, stranded conductor
- the conductor is metrically (mm<sup>2</sup>) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Beidraht mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
43058	4 G 4 re	12	1.5	14.5	168.0	359.0
43059	5 G 4 re	12	1.5	16.5	207.0	440.0
43060	3 G 6 re	10	1.5	15.0	187.0	378.0
43061	4 G 6 re	10	1.5	16.5	245.0	477.0
43062	5 G 6 re	10	1.5	17.5	303.0	565.0
43063	5 G 10 re	8	1.5	21.5	495.0	840.0
43064	5 G 16 rm	6	2.5	26.0	792.0	1353.0
43065	5 G 25 rm	4	2.5	31.5	1224.0	2017.0