

# (N)YM(St)-J PVC-sheathed cable screened



## Technical data

- Screened PVC-sheathed cable
- Adapted to DIN VDE 0250 part 204/209
- VDE production assessment available
- **Direct current resistance** to DIN VDE 0295
- **Temperature range**  
flexing +5°C to +70°C  
fixed installation -40°C to +70°C
- Permissible **working temperature** at the conductor +70°C
- **Nominal voltage**  $U_0/U$  300/500 V
- **Test voltage** 2000 V
- **Power rating according** to VDE 0100
- **Minimum bending radius**  
fixed installation 4x cable  $\varnothing$
- **Radiation resistance**  
up to  $80 \times 10^6$  cJ/kg (up to 80 Mrad)

## Cable construction

- Solid plain copper conductor to DIN VDE 0295 cl. 1, BS 6360 cl. 1 and IEC 60228 cl. 1
- Special PVC core insulation T11, to DIN VDE 0281 part 1 colour code to DIN VDE 0293-308
- Cores stranded in layer
- Plastic filled inner sheath
- Coated aluminium foil screening
- Solid copper drain-wire, tinned
- Special PVC outer sheath TM1, to DIN VDE 0281 part 1
- Jacket colour grey (RAL 7001)

## Properties

- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

## Note

- re = round solid core;  
rm = stranded core.
- AWG sizes are approximate equivalent values. The actual cross-section is in  $\text{mm}^2$ .

## Application

These installation cables are made for an effective range of electromagnetic interference alternating fields by a static screen. This screening is specially used for the installation in computer sector, hospitals or industry measuring observation points with measuring instruments which are sensitive to interferences.

These cables are also ideal for installations in the living rooms of those peoples who are extreme sensitive to radiation. The cable is suitable for laying on, in and under plaster in dry and damp places as well as in concrete and masonry (a direct laying in shaken or stamped concrete is excluded).

Outdoor laying only is possible if the cable is not exposed to direct sunlight or if the cable is laid in cable conduits. Use in dangerous areas is not allowed.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. $\text{mm}^2$	Drain-wire $\varnothing$	Outer $\varnothing$ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
43050	3 G 1,5	1,5	10,5	58,0	154,0	16
43051	4 G 1,5	1,5	11,5	63,0	184,0	16
43052	5 G 1,5	1,5	12,0	77,0	208,0	16
43053	7 G 1,5	1,5	13,0	106,0	250,0	16
43054	3 G 2,5	1,5	12,0	77,0	217,0	14
43055	4 G 2,5	1,5	13,0	101,0	256,0	14
43056	5 G 2,5	1,5	13,5	125,0	280,0	14
43057	3 G 4	1,5	13,5	120,0	228,0	12
43058	4 G 4	1,5	14,5	159,0	359,0	12
43059	5 G 4	1,5	16,5	197,0	440,0	12

Part No.	No. cores x cross-sec. $\text{mm}^2$	Drain-wire $\varnothing$	Outer $\varnothing$ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
43060	3 G 6	1,5	15,0	178,0	378,0	10
43061	4 G 6	1,5	16,5	235,0	477,0	10
43062	5 G 6	1,5	17,5	293,0	565,0	10
43063	5 G 10	1,5	21,5	485,0	840,0	8
43064	5 G 16	rm	2,5	773,0	1353,0	6
43065	5 G 25	rm	2,5	1205,0	2017,0	4

Dimensions and specifications may be changed without prior notice.