NYM-J/-O

Installation cables with PVC sheath, VDE approved

Cable structure

- Solid or stranded copper core according to DIN VDE 0295 and IEC 60228 cl. 1 or cl. 2
- Core insulation of PVC
- Cores color coded to DIN VDE 0293-308, cores stranded in layers
- (N)YM(St) version, electrostatic screening (St) of plastic (Al-PET) foil + Cu Sn drain wire
- Sheath of special PVC, sheath color grey
- Self-extinguishing and flame retardant PVC, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- PVC building cable according to DIN VDE 0250 part 204
- **Temperature at conductor** max. +70 °C
- **Temperature range**
  during installation from -5 °C to +50 °C
  after installation max. +70 °C
- **Nominal voltage** U_O/U 300/500 V
- **Test voltage a.c.** 2000 V
- **Minimum bending radius** 6× cable diameter
- **Radiation resistance** up to 80 × 10^6 cJ/kg (up to 80 Mrad)

Application

This cable is suitable for industrial and home applications. It is designed for dry, moist and wet open areas as well as under plaster, walling and concrete. However, it is not recommended to lay the cable into the compacted concerete. Outer application is permitted only in the case that cable is not exposed to direct sunlights.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.
Conforms to RoHS.

re = round conductor plain
rm = round conductor stranded

Part No.	Number of cores x core cross section [mm²]		Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
NYM-J					
0939055	1 × 2,5	re	6,0	24,0	70
0939051	1 × 4	re	6,6	38,0	80
0939052	1 × 6	re	7,2	58,0	105
0939053	1 × 10	re	8,4	96,0	155
0939054	1 × 16	rm	9,9	154,0	230
0939079	1 × 25	rm	12,0	240,0	325
0939056	3 × 1,5	re	9,1	43,0	135
0939057	3 × 2,5	re	10,4	72,0	190
0939074	3 × 4	re	12,0	115,0	258
0939078	3 × 6	re	13,0	173,0	320
0939058	4 × 1,5	re	9,8	58,0	160
0939059	4 × 2,5	re	11,3	96,0	230
0939060	4 × 4	re	13,0	154,0	330
0939061	4 × 6	re	15,1	230,0	460
0939062	4 × 10	re	17,6	384,0	680
0939063	4 × 16	rm	21,3	614,0	1048
0939066	5 × 1,5	re	10,3	72,0	190
0939067	5 × 2,5	re	12,0	120,0	270
0939068	5 × 4	re	14,5	192,0	410
0939069	5 × 6	re	16,1	288,0	540
0939070	5 × 10	re	19,2	480,0	850
0939071	5 × 16	rm	23,4	768,0	1280
0939072	7 × 1,5	re	11,5	101,0	235
0939075	7 × 2,5	re	13,2	168,0	342
0939076	10 × 1,5	re	13,8	144,0	330
0939077	12 × 1,5	re	14,4	173,0	405

Part No.	Number of cores x core cross section [mm²]		Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
NYM-O					
0939001	1 × 1,5	re	5,4	14,4	40
0939024	1 × 2,5	re	6,0	24,0	70
0939002	1 × 4	re	6,6	38,0	80
0939003	1 × 6	re	7,2	58,0	105
0939004	1 × 10	re	8,4	96,0	155
0939005	1 × 16	rm	9,9	154,0	230
0939006	2 × 1,5	re	8,7	29,0	115
0939007	2 × 2,5	re	8,9	48,0	157
0939008	3 × 1,5	re	9,1	43,0	135
0939009	4 × 1,5	re	9,8	58,0	160
0939010	4 × 2,5	re	11,3	96,0	230
0939011	4 × 4	re	13,0	154,0	330
0939012	4 × 6	re	15,1	230,0	460
0939013	4 × 10	re	17,6	384,0	680
0939014	4 × 16	rm	19,0	614,0	1090
0939023	7 × 1,5	re	11,5	101,0	235
(N)YM(St)-J					
0943050	3 × 1,5	/1,5	10,5	58	154
0943051	4 × 1,5	/1,5	11,5	63	184
0943052	5 × 1,5	/1,5	12,0	77	208
0943053	7 × 1,5	/1,5	13,0	106	250
0943054	3 × 2,5	/1,5	12,0	77	220
0943055	4 × 2,5	/1,5	13,0	101	260
0943056	5 × 2,5	/1,5	13,5	125	280
0943057	3 × 4	/1,5	13,6	120	230
0943058	4 × 4	/1,5	14,5	159	360
0943059	5 × 4	/1,5	16,5	197	440