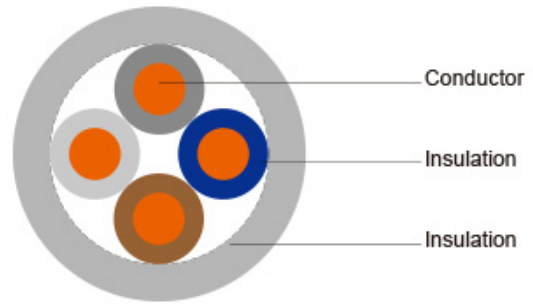


**German Standard Industrial Cables NYM-J / NYM-O**



**Application and Description**

NYM 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 concrete. Other application is permitted only in the case that cable is not exposed to direct sunlight.

**Standard and Approval**

DIN VDE 0250, VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

**Cable Construction**

- Solid or stranded, plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- PVC insulation TI1 to DIN VDE 0281 part 1
- Color coded to DIN VDE 0293-308
- Conductors stranded in layer
- High flexible PVC outer jacket type TM1, according to DIN VDE 0281 part 1

**Technical Characteristics**

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: +5° C to +70° C
- Fixed installation temperature: - 40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: >20 MΩ x km

**Cable Parameter**

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM <sup>2</sup>	NOMINAL THICKNESS OF INSULATION MM	NOMINAL THICKNESS OF SHEATH MM	NOMINAL OVERALL DIAMETER MM	NOMINAL COPPER WEIGHT KG/KM	NOMINAL WEIGHT KG/KM
16(solid)	1X1.5	0.6	1.4	5.4	14.4	40
16(solid)	2 X1.5	0.6	1.4	8.7	29	170
16(solid)	3 X1.5	0.6	1.4	9.1	43	135
16(solid)	4 X1.5	0.6	1.4	9.8	58	160
16(solid)	5 X1.5	0.6	1.4	10.3	72	190
16(solid)	7 X1.5	0.6	1.4	11.5	101	235
16(solid)	10 X1.5	0.6	1.4	13.8	144	330
16(solid)	12 X1.5	0.6	1.4	14.4	173	405
14(solid)	1 X2.5	0.7	1.4	6	24	70

14(solid)	3 X2.5	0.7	1.4	10.4	72	190
14(solid)	4 X2.5	0.7	1.4	11.3	96	230
14(solid)	5 X2.5	0.7	1.4	12	120	270
14(solid)	7 X2.5	0.7	1.6	13.2	168	342
12(solid)	1X4	0.8	1.6	6.6	38	80
12(solid)	3 X4	0.8	1.6	12	115	258
12(solid)	4 X4	0.8	1.6	13	154	330
12(solid)	5 X4	0.8	1.6	14.5	192	410
10(solid)	1X6	0.8	1.6	7.2	58	105
10(solid)	3 X6	0.8	1.6	13	173	320
10(solid)	4 X6	0.8	1.6	15.1	230	460
10(solid)	5 X6	0.8	1.6	16.1	288	540
8(solid)	1X10	1.0	1.6	8.4	96	155
8(solid)	4 X10	1.0	1.6	17.6	384	680
8(solid)	5 X10	1.0	1.6	19.2	480	850
6(7/14)	1X16	1.2	1.8	9.9	154	230
6(7/14)	4 X16	1.2	1.8	21.3	614	1048
6(7/14)	5 X16	1.2	1.8	23.4	768	1280
4(7/12)	1x25	1.4	2.0	12	240	325
4(7/12)	4X25	1.4	2.0	25.8	960	1649
4(7/12)	5 X25	1.4	2.0	28.7	1200	1970
2(7/10)	4X35	1.4	2.0	28.5	1344	2000