



### **(N)YM(St)-J**

#### **Application and Description**

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(N)YM(St)-J cables are made for an effective range of electromagnetic interference alternating fields by a static shield. This shielding is used for the installation in the computer sector, hospitals or industry measuring observation points with measuring instruments which are sensitive to interferences. These cables are also ideal for installation in living rooms of those people who are extremely sensitive to radiation. The cable is suitable for laying in, on and under plaster in dry and damp places as well as in concrete and masonry (installation in vibrating or stamped concrete excluded). Outdoor installation is only possible if the cable is not exposed to direct sunlight or if it is installed in cable conduits.

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#### **Standard and Approval**

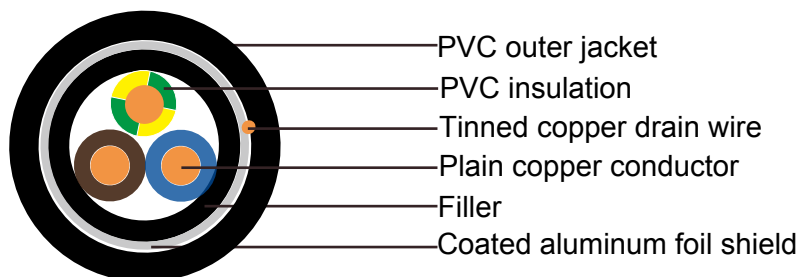
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DIN VDE 0250, VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

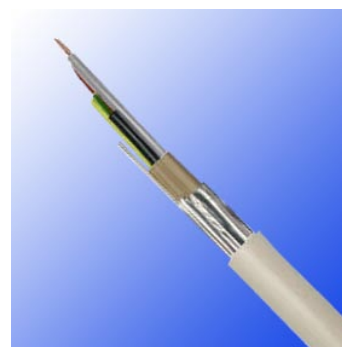
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#### **Cable Construction**

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- Solid plain copper conductor
  - to DIN VDE 0295 cl. 1, BS 6360 cl. 1 and IEC 60228 cl
  - PVC insulation TI1 to DIN VDE 0281 part 1
  - Color coded to DIN VDE 0293-308
  - Conductors stranded in layer
  - Plastic filled inner jacket
  - Coated aluminum foil shielding
  - Solid tinned copper drain-wire
  - High flexible PVC outer jacket type TM1, according to DIN VDE 0281 part 1
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### 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	Drain Wire Size mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
16(solid)	3 X1.5	0.6	1.4	1.5	10.5	58.0	154.0
16(solid)	4 X1.5	0.6	1.4	1.5	11.5	63.0	184.0
16(solid)	5 X1.5	0.6	1.4	1.5	12.0	77.0	208.0
16(solid)	7 X1.5	0.6	1.4	1.5	13.0	106.0	250.0
14(solid)	3 X2.5	0.7	1.4	1.5	12.0	77.0	217.0
14(solid)	4 X2.5	0.7	1.4	1.5	13.0	101.0	256.0
14(solid)	5 X2.5	0.7	1.4	1.5	13.5	125.0	280.0
12(solid)	3 X4	0.8	1.6	1.5	13.5	120.0	228.0
12(solid)	4 X4	0.8	1.6	1.5	14.5	159.0	359.0
12(solid)	5 X4	0.8	1.6	1.5	16.5	197.0	440.0
10(solid)	3 X6	0.8	1.6	1.5	15.0	178.0	378.0
10(solid)	4 X6	0.8	1.6	1.5	16.5	235.0	477.0
10(solid)	5 X6	0.8	1.6	1.5	17.5	293.0	565.0
8(solid)	5 X10	1.0	1.6	1.5	21.5	485.0	870