



#### Code

**NYIFY-R CU/PVC/PVC**

#### Voltage Rating

**300/500 V**

#### Standards

**VDE 0250 Teil 201**

**IEC 60228**

**Conductor**

#### Reaction to Fire Classification ( CPR )

**EN 60332-1-2**

**Flame Retardant**

#### Conductor

**Stranded Copper Conductor (Class 2)**

#### Insulation

**PVC (Polyvinyl Chloride)**

#### Filler

-

#### Armour

-

#### Sheath

**PVC (Polyvinyl Chloride)**

#### Technical Data

|                                   |   |                                     |
|-----------------------------------|---|-------------------------------------|
| <b>Max. Operating Temperature</b> | : | <b>70°C</b>                         |
| <b>Short Circuit Temperature</b>  | : | <b>160°C (max.5 sec)</b>            |
| <b>Bending Radius</b>             | : | <b>12D ( D : Overall Diameter )</b> |
| <b>Test Voltage</b>               | : | <b>2 kV</b>                         |

#### Application

**Suitable for dry and humid areas. All type of factory , warehouse and depots where there is fire and explosion threat. Not suitable for underground. Used in fixed installations laying in conduit and under plaster.**

| Nominal Cross Section<br>(mm <sup>2</sup> ) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|---------------------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                             |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 2x1,5                                       | 13,3 x 4,1               | 80,5                  | 1000                   | 12,1                           | -                         | 19             |
| 2x2,5                                       | 14,2 x 4,6               | 103,5                 | 1000                   | 7,41                           | -                         | 27             |
| 2x4                                         | 16,0 x 5,5               | 146,7                 | 1000                   | 4,61                           | -                         | 34             |
| 2x6                                         | 17,1 x 6,1               | 191,5                 | 1000                   | 3,08                           | -                         | -              |

| Nominal Cross Section<br>(mm <sup>2</sup> ) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|---------------------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                             |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 3x1,5                                       | 18,2 x 4,1               | 112,6                 | 1000                   | 12,1                           | -                         | 19             |
| 3x2,5                                       | 20,4 x 4,5               | 151,5                 | 1000                   | 7,41                           | -                         | 27             |
| 3x4                                         | 23,3 x 5,5               | 213,0                 | 1000                   | 4,61                           | -                         | 34             |
| 3x6                                         | 25,4 x 6,3               | 289,7                 | 1000                   | 3,08                           | -                         | -              |

**Note :**

Current carrying capacities are valid at 30°C ambient temperature