

# NYIFY-U

CU/PVC/PVC



300 / 500 V PVC insulated flat sheathed cords.

## Construction

|                |                                                   |
|----------------|---------------------------------------------------|
| Conductor:     | bare copper conductor,, class 1 acc. to IEC 60228 |
| Insulation:    | PVC compound Type D acc. to IEC 60227             |
| Sheath:        | PVC compound ST1 acc. to IEC 60227                |
| sheath colour: | white , black or Gray                             |

## Application

Fixed wiring in dry and damp premises, in conduits on/in/under plaster and on insulators every plaster, switching and distribution panels.

## Technical data

|                                           |                     |
|-------------------------------------------|---------------------|
| Temperature during installation:          | +5 °C up to +70 °C  |
| Fixed installed Temperature:              | -30 °C up to +70 °C |
| Temperature at short circuit of max. 5 s: | up to 150 °C        |
| ambient temperature at storage:           | up to 40 °C         |
| Nominal voltage:                          | Uo/U = 300/500 V    |
| Test voltage:                             | 2000 V              |
| Minimal inner bending radius:             | 8D for              |
| Behavior in fire:                         | IEC 60332-1         |

Design Standards

**IEC 60227**

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| Nominal Cross<br>Section (mm <sup>2</sup> ) | Overall<br>Diameter (mm) | Net Weight<br>(kg / km)<br>approx. | Conductor DC<br>resistance<br>at 20°C(ohm / km)<br>max. | Current<br>Carrying<br>Capacity in |
|---------------------------------------------|--------------------------|------------------------------------|---------------------------------------------------------|------------------------------------|
|                                             |                          |                                    |                                                         | Air (A)                            |
| 2x1                                         | 3,4x9,7                  | 45                                 | 18,1                                                    | 12                                 |
| 2x1,5                                       | 4,5x12                   | 60                                 | 12,1                                                    | 19                                 |
| 2x2,5                                       | 5,1x13,6                 | 91                                 | 7,41                                                    | 25                                 |
| 2x4                                         | 6,4x15,6                 | 125                                | 4,61                                                    | 34                                 |
| 3x1                                         | 3,4x10,2                 | 66                                 | 18,1                                                    | 12                                 |
| 3x1,5                                       | 4,5x19.1                 | 90                                 | 12,1                                                    | 19                                 |
| 3x2,5                                       | 5,3x21,6                 | 132                                | 7,41                                                    | 26                                 |
| 3x4                                         | 6,5x25.1                 | 190                                | 4,61                                                    | 34                                 |