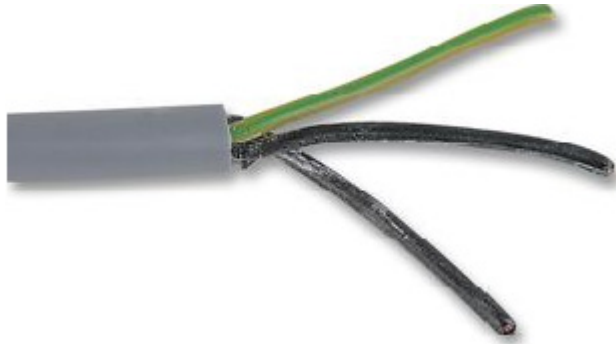


## Product Description

Space saving installation due to small cable diameters; High electrical performance due to 4 kV test voltage



### Features:

- Flame retardant according to IEC 60332-1-2.
- Good chemical resistance.

## Application Range

Plant engineering and construction Industrial machinery Air conditioning installations power station stage technique.  
Fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load.  
Dry or damp interiors under medium mechanical load conditions.

## Benefits

Space saving installation due to small cable diameters.  
High electrical performance due to 4 kV test voltage.

## Design

Fine strands of bare copper wires.  
PVC insulation LAPP P8/1.  
Cores twisted in layers.  
PVC outer sheath, grey (RAL 7001).

## Technical Data

|                                       |                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Core Identification Code</b>       | Black with White Numbers acc. to VDE 0293                                                                                  |
| <b>Specific Insulation Resistance</b> | > 20 Gohm × cm                                                                                                             |
| <b>Conductor Stranding</b>            | Fine wire in Accordance to VDE 0295 class 5 / IEC 60228 class 5                                                            |
| <b>Minimum Bending Radius</b>         | Occasional Flexing : 15 × Cable Diameter<br>Fixed Installation : 4 × Cable Diameter                                        |
| <b>Rated Voltage</b>                  | U0/U: 300 / 500 V                                                                                                          |
| <b>Test Voltage</b>                   | 4,000 V                                                                                                                    |
| <b>Protective Conductor</b>           | G = with Protective Conductor Green / Yellow<br>X = without Protective Conductor                                           |
| <b>Range of Temperature</b>           | Occasional Flexing : -5°C up to +70°C<br>Fixed Installation : -40°C up to +80°C                                            |
| <b>VDE tested</b>                     | VDE Reg. No. 7030 for Following Sizes: up to 2.5 mm <sup>2</sup> : 2-64 Cores<br>Starting at 4 mm <sup>2</sup> : 2-7 Cores |

## Specification Table

| Description                       | Number of Cores and mm <sup>2</sup> per Conductor | Outer Diameter mm | Copper Index kg / km | Weight kg / km | Part Number     |
|-----------------------------------|---------------------------------------------------|-------------------|----------------------|----------------|-----------------|
| Cable, YY, 3 Core, 0.75 mm, 50M   | 3 G 0.75                                          | 5.7               | 21.6                 | 55             | PPYY3C0.75 50M  |
| Cable, YY, 3 Core, 1 mm, 50M      | 3 G 1                                             | 6                 | 28.8                 | 65             | PPYY3C1.00 50M  |
| Cable, YY, 3 Core, 1.5 mm, 50M    | 3 G 1.5                                           | 6.7               | 43                   | 84             | PPYY3C1.50 50M  |
| Cable, YY, 4 Core, 0.75 mm, 50M   | 4 G 0.75                                          | 6.2               | 28.8                 | 66             | PPYY4C0.75 50M  |
| Cable, YY, 4 Core, 1 mm, 50M      | 4 G 1                                             | 6.5               | 38.4                 | 79             | PPYY4C1.00 50M  |
| Cable, YY, 4 Core, 1.5 mm, 50M    | 4 G 1.5                                           | 7.2               | 58                   | 104            | PPYY4C1.50 50M  |
| Cable, YY, 3 Core, 2.5 mm, 50M    | 3 G 2.5                                           | 8.1               | 72                   | 132            | PPYY3C2.50 50M  |
| Cable, YY, 5 Core, 0.75 mm, 50M   | 5 G 0.75                                          | 6.7               | 36                   | 79             | PPYY5C0.75 50M  |
| Cable, YY, 7 Core, 0.75 mm, 50M   | 7 G 0.75                                          | 7.3               | 50                   | 101            | PPYY7C0.75 50M  |
| Cable, YY, 5 Core, 1 mm, 50M      | 5 G 1                                             | 7.1               | 48                   | 94             | PPYY5C1.00 50M  |
| Cable, YY, 7 Core, 1 mm, 50M      | 7 G 1                                             | 8                 | 67                   | 126            | PPYY7C1.00 50M  |
| Cable, YY, 5 Core, 1.5 mm, 50M    | 5 G 1.5                                           | 8.1               | 72                   | 128            | PPYY5C1.50 50M  |
| Cable, YY, 7 Core, 1.5 mm, 50M    | 7 G 1.5                                           | 8.9               | 101                  | 166            | PPYY7C1.50 50M  |
| Cable, YY, 4 Core, 2.5 mm, 50M    | 4 G 2.5                                           | 8.9               | 96                   | 163            | PPYY4C2.50 50M  |
| Cable, YY, 5 Core, 2.5 mm, 50M    | 5 G 2.5                                           | 10                | 120                  | 200            | PPYY5C2.50 50M  |
| Cable, YY, 12 Core, 0.75 mm, 50M  | 12 G 0.75                                         | 9.9               | 86                   | 171            | PPYY12C0.75 50M |
| Cable, YY, 18 Core, 0.75 mm, 50M  | 18 G 0.75                                         | 11.7              | 130                  | 244            | PPYY18C0.75 50M |
| Cable, YY, 12 Core, 1.5 mm, 50M   | 12 G 1.5                                          | 12                | 173                  | 279            | PPYY12C1.50 50M |
| Cable, YY, 18 Core, 1.5 mm, 50M   | 18 G 1.5                                          | 14.4              | 259                  | 407            | PPYY18C1.50 50M |
| Cable, YY, 7 Core, 2.5 mm, 50M    | 7 G 2.5                                           | 11.1              | 168                  | 267            | PPYY7C2.50 50M  |
| Cable, YY, 3 Core, 0.75 mm, PER M | 3 G 0.75                                          | 5.7               | 21.6                 | 55             | PPYY3C0.75      |
| Cable, YY, 3 Core, 1 mm, PER M    | 3 G 1                                             | 6                 | 28.8                 | 65             | PPYY3C1.00      |
| Cable, YY, 3 Core, 1.5 mm, PER M  | 3 G 1.5                                           | 6.7               | 43                   | 84             | PPYY3C1.50      |
| Cable, YY, 3 Core, 2.5 mm, PER M  | 3 G 2.5                                           | 8.1               | 72                   | 132            | PPYY3C2.50      |
| Cable, YY, 4 Core, 0.75 mm, PER M | 4 G 0.75                                          | 6.2               | 28.8                 | 66             | PPYY4C0.75      |
| Cable, YY, 4 Core, 1 mm, PER M    | 4 G 1                                             | 6.5               | 38.4                 | 79             | PPYY4C1.00      |
| Cable, YY, 4 Core, 1.5 mm, PER M  | 4 G 1.5                                           | 7.2               | 58                   | 104            | PPYY4C1.50      |
| Cable, YY, 4 Core, 2.5 mm, PER M  | 4 G 2.5                                           | 8.9               | 96                   | 163            | PPYY4C2.50      |
| Cable, YY, 5 Core, 0.75 mm, PER M | 5 G 0.75                                          | 6.7               | 36                   | 79             | PPYY5C0.75      |
| Cable, YY, 5 Core, 1 mm, PER M    | 5 G 1                                             | 7.1               | 48                   | 94             | PPYY5C1.00      |
| Cable, YY, 5 Core, 1.5 mm, PER M  | 5 G 1.5                                           | 8.1               | 72                   | 128            | PPYY5C1.50      |
| Cable, YY, 5 Core, 2.5 mm, PER M  | 5 G 2.5                                           | 10                | 120                  | 200            | PPYY5C2.50      |
| Cable, YY, 7 Core, 0.75 mm, PER M | 7 G 0.75                                          | 7.3               | 50                   | 101            | PPYY7C0.75      |

## Specification Table

| Description                        | Number of Cores and mm <sup>2</sup> per Conductor | Outer Diameter mm | Copper Index kg / km | Weight kg / km | Part Number |
|------------------------------------|---------------------------------------------------|-------------------|----------------------|----------------|-------------|
| Cable, YY, 7 Core, 1 mm, PER M     | 7 G 1                                             | 8                 | 67                   | 126            | PPYY7C1.00  |
| Cable, YY, 7 Core, 1.5 mm, PER M   | 7 G 1.5                                           | 8.9               | 101                  | 166            | PPYY7C1.50  |
| Cable, YY, 7 Core, 2.5 mm, PER M   | 7 G 2.5                                           | 11.1              | 168                  | 267            | PPYY7C2.50  |
| Cable, YY, 12 Core, 0.75 mm, PER M | 12 G 0.75                                         | 9.9               | 86                   | 171            | PPYY12C0.75 |
| Cable, YY, 12 Core, 1.5 mm, PER M  | 12 G 1.5                                          | 12                | 173                  | 279            | PPYY12C1.50 |
| Cable, YY, 18 Core, 0.75 mm, PER M | 18 G 0.75                                         | 11.7              | 130                  | 244            | PPYY18C0.75 |
| Cable, YY, 18 Core, 1.5 mm, PER M  | 18 G 1.5                                          | 14.4              | 259                  | 407            | PPYY18C1.50 |

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