YY Cable

## FEATURES

- Ideal for space saving installations
- YY control cable has a grey PVC outer sheathing
- Good chemical resistance
- Versatile multi-core power and signal cables
- White numbers on the outer sheath

# RS PRO 12 Core YY Control Cable, 0.5 mm², 50m, Unscreened

RS Stock No.: 827-4300



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

# YY Cable

## Product Description

The YY control cables from RS PRO are unscreened, reliable connecting electrical cables which combine the characteristics of a flexible mains cable, coupled with saving space due to the small cable diameters suitable for fixed installations

## General Specifications

| | |
|---|---|
| **Cable Shape** | Multicore |
| **Screened/Unscreened** | Unscreened |
| **Sheath Colour** | Grey |
| **Sheath Material** | Polyvinyl Chloride PVC |
| **Filler Material** | Non-Wicking Filler |
| **Fire Behaviour** | Flame Retardant |
| **Applications** | Plant engineering, Conveyor and transport systems, Heating and air-conditioning systems |

## Electrical Specifications

| | |
|---|---|
| **Current Rating** | 9A |
| **Voltage Rating** | 300V/500V |
| **Maximum Conductor DC Resistance** | 39O/km |
| **Test Voltage** | 4000VAC |
| **Earth Cable** | Yes |
| **Conductor Material** | Bare Copper |
| **Insulation Material** | PVC |

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## Mechanical Specifications

| | |
|---|---|
| **Length** | 50m |
| **Number of Cores** | 12 |
| **Number of Strands** | 16 |
| **Size of Strands** | 0.20mm |
| **Core Strands** | 16/0.20mm |
| **Cross Sectional Area** | 0.5mm^2 |
| **Outer Diameter** | 8.9mm |
| **American Wire Gauge** | 20 |
| **Minimum Bend Radius** | Fixed - 4 x D Occasional Flexing - 10 x D |
| **Oil Resistant** | Yes |
| **Armoured** | No |
| **Weight** | 131kg/km |

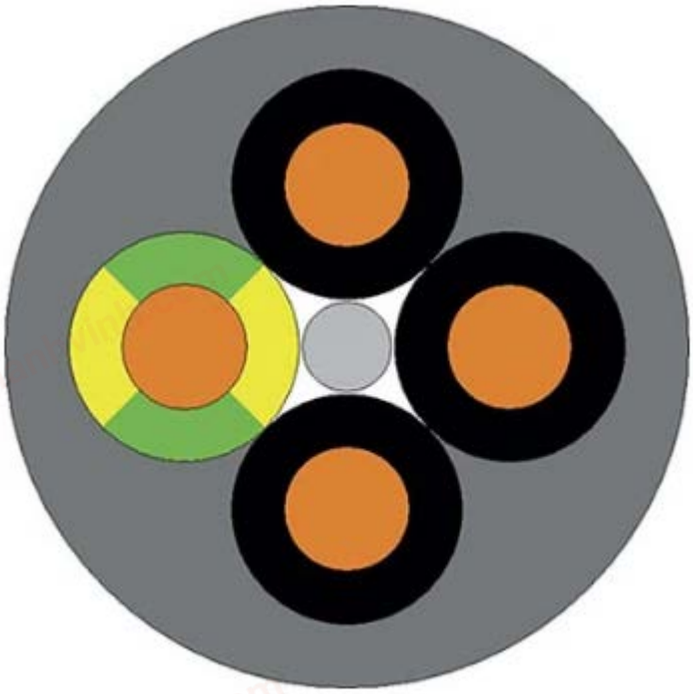
## Operation Environment Specifications

| | | |
|---|---|---|
| **Operating Temperature Range** | **Flexing:** | **Static:** |
| | -5°C to 70°C | -40°C to 80°C |
| **Minimum Operating Temperature** | -5°C | 40°C |
| **Maximum Operating Temperature** | 70°C | 80°C |

## Approvals

| | |
|---|---|
| **Compliance/Certifications** | RoHS Certificate Of Compliance |
| **Standards Met** | IEC 60228/VDE 0295, IEC 60 228 that is VDE 0295, class 5 ,IEC 60332.1 , ECD 73/23/EEC |

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| Part Number | No. Cores x Cross Sectional Area (mm²) | Outer Diameter (mm) | Weight Kg/Km |
|---|---|---|---|
| 8274234 | YY 2x0.5 | 4.8 | 35 |
| 8274252 | YY 3G0.5 | 5.1 | 42 |
| 8274268 | YY 4G0.5 | 5.7 | 54 |
| 8274274 | YY 5G0.5 | 6.2 | 63 |
| 8274293 | YY 7G0.5 | 6.7 | 81 |
| 8274300 | YY 12G0.5 | 8.9 | 131 |
| 8274307 | YY 18G0.5 | 10.5 | 188 |
| 8274319 | YY 25G0.5 | 12.4 | 261 |
| 8274243 | YY 2G0.75 | 5.4 | 45 |
| 8274278 | YY 5G0.75 | 6.7 | 79 |
| 8274296 | YY 7G0.75 | 7.3 | 101 |
| 8274313 | YY 25G0.75 | 13.8 | 337 |
| 8274246 | YY 2x1.0 | 5.7 | 53 |
| 8274287 | YY 5G1.0 | 7.1 | 94 |
| 8274290 | YY 7G1.0 | 8.0 | 126 |
| 8274303 | YY 12G1.0 | 10.5 | 205 |
| 8274316 | YY 18G1.0 | 12.7 | 320 |
| 8274322 | YY 25G1.0 | 14.7 | 408 |
| 8274240 | YY 2x1.5 | 6.3 | 68 |
| 8274325 | YY 25G1.5 | 16.9 | 560 |
| 8274259 | YY 2x2.5 | 7.5 | 101 |
| 8274329 | YY 25G2.5 | 20.8 | 890 |
| 8274256 | YY 3G4.0 | 9.9 | 201 |
| 8274262 | YY 4G4.0 | 10.8 | 249 |
| 8274280 | YY 5G4.0 | 12.1 | 294 |
| 8274265 | YY 3G6.0 | 11.7 | 289 |
| 8274271 | YY 4G6.0 | 13.0 | 365 |
| 8274284 | YY 5G6.0 | 14.5 | 447 |

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