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Datasheet

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Stock No: 827- 4237

# RS Pro SY Control Cable, 18 Core, Screened Polyvinyl Chloride PVC Sheath , 0.75 mm² CSA




**SY Control Cables**

SY cables are number coded control and connecting cables for flexible use and fixed installation for medium mechanical use. They are for use in dry, damp and wet rooms. They may only be installed outdoors with UV-protection and in observation of the temperature range. At room temperature it is generally resistant against acids, caustics solutions and certain oils. SY cables are used as supply and interconnecting cable for controlling machine tools, production lines, control equipment on conveyors, also for use in measuring regulating and computer units. Suitable for free movement without forced guidance and tensile stress. The braiding of galvanized steel wires are an additional mechanical protection.

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**Technical data**

| | |
|---|---|
| Conductor | bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5 |
| Core insulation | PVC compound |
| Identification | in acc. to VDE 0293, black cores with white numbers with or without green/yellow ground conductor |
| Inner Sheath | PVC compound |
| Braid | Galvanised steel wire braid |
| Outer sheath | Transparent PVC compound |
| Nominal voltage | 300/500 V |
| Test voltage | 2000 V AC |
| Temp. range | for flexible use -5 up to +70°C max. conductor temperature<br>fixed installation -40 up to +80°C max. conductor temperature |
| Min. bending radius | fixed installation 12.5 x cable diameter |
| EC directive | This cable confirms to ECD 73/23/EEC (low voltage directive). |

## Specifications:

| Part Number | No. Cores x Cross Sectional Area ($mm^2$) | Outer Diameter (mm) | Weight Kg/Km |
|---|---|---|---|
| 8274202 | SY 2x0.75 | 7.3 | 74 |
| 8274218 | SY 7G0.75 | 9.4 | 135 |
| 8274228 | SY 12G0.75 | 11.9 | 210 |
| 8274237 | SY 18G0.75 | 14.0 | 295 |
| 8274230 | SY 25G0.75 | 16.3 | 390 |
| 8274221 | SY 8G1.0 | 12.5 | 234 |
| 8274224 | SY 8G1.5 | 14.0 | 301 |
| 8274212 | SY 7G2.5 | 12.8 | 287 |
| 8274206 | SY 5G4.0 | 14.1 | 338 |
| 8274215 | SY 5G6.0 | 16.7 | 530 |