



ENGLISH

Datasheet

Stock No: 827- 4271

RS Pro 4 Core YY Control Cable Unscreened Polyvinyl Chloride PVC Sheath



13mm OD, 6 mm² CSA, 9 AWG

RS Pro YY Control Cable

YY number coded cables are VDE approved connecting and control 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. YY 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.



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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 TI1 in accordance to VDE 0207 |
| Identification | in acc. to VDE 0293, black cores with white numbers with or without green/yellow ground conductor |
| Outer sheath | PVC compound TM2 in acc. to VDE 0207 |
| Nominal voltage | 300/500 V |
| Test voltage | 4000 V AC |
| Temp. range | for flexible use -5 up to +70°C max. conductor temperature fixed installation -40 up to +80°C max. conductor temperature |
| Min. bending radius | flex. use 15 x cable diameter fixed installation 4 x cable diameter |
| Flame retardant | in acc. to IEC 60 332.1 resp. VDE 0472 part 804 |
| Approvals | VDE - Reg. No. 7030 |
| EC directive | This cable confirms to ECD 73/23/EEC (low voltage directive). |

**ENGLISH****Specification:**

| Part Number | No. Cores x Cross Sectional Area (mm ²) | 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 |