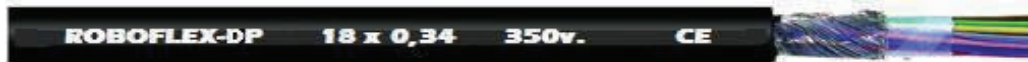


ROBOFLEX-DP Shielded Torsion



ROBOFLEX-DP is a high flex, black polyurethane, overall spiral shielded robotic torsion cable specially designed for combined torsional and bending stresses. These cables can accurately transmit control signals and power supply to welding robots, rotary tables, and other automated applications requiring a twisting movement. **ROBOFLEX-DP** cables have a special formulated polyurethane jacket resistant to oil, microbes, corrosion, oxygen, UV-radiation, solvents, acids, hydraulic fluid and alkalis. In addition the jacket surface quality prevents adhesion to adjacently installed cables. The tinned copper spiral shield provides excellent protection against electromagnetic emissions.



Construction:

- Fine or superfine bare copper strands
- Strands to VDE-0295 Class-5 or 6, IEC 60228
- Special TPE core insulation
- 26,24 & 22 AWG color code to DIN47100
- 20 AWG and up to VDE-0293 black/numbered
- Teflon tape wrapping over cores
- 85-95% tinned copper spiral shield
- Special polyurethane jacket - black (RAL 9005)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 350v (26-22 AWG)
- Working voltage: 300/500 volts
- Test voltage: 1500/3000 volts
- Min flexing bending radius: 15 x Ø
- Flexing temp: -40° C to +80° C
- Static temp: -50° C to +80° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: > 20 MΩ x km

Approvals:

- VDE-0245, 0250, 0281 & 0282
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

| PART NUMBER | CORES | NOMINAL OD | CU LBS/MFT | WT LBS/MFT |
|---|-------|-----------------|------------|------------|
| 26 AWG (18/38) 0,14mm² | | | | |
| 7912610 | 10 | 0.280" / 7.1mm | 23 | 42 |
| 7912612 | 12 | 0.307" / 7.8mm | 28 | 64 |
| 7912618 | 18 | 0.382" / 9.7mm | 36 | 80 |
| 7912625 | 25 | 0.429" / 10.9mm | 46 | 106 |
| 24 AWG (14/34) 0,25mm² | | | | |
| 7912412 | 12 | 0.327" / 8.3mm | 40 | 85 |
| 7912418 | 18 | 0.398" / 10.1mm | 54 | 110 |
| 7912425 | 25 | 0.437" / 11.1mm | 69 | 144 |
| 22 AWG (19/34) 0,34mm² | | | | |
| 7912204 | 4 | 0.224" / 5.7mm | 15 | 31 |
| 7912212 | 12 | 0.346" / 8.8mm | 52 | 107 |
| 7912218 | 18 | 0.425" / 10.8mm | 68 | 141 |
| 7912225 | 25 | 0.476" / 12.1mm | 106 | 205 |
| 20 AWG (16/32) 0,50mm² | | | | |
| 7912012 | 12 | 0.441" / 11.2mm | 78 | 117 |
| 7912018 | 18 | 0.535" / 13.6mm | 107 | 155 |
| 7912025 | 25 | 0.583" / 14.8mm | 171 | 233 |
| 18 AWG (24/32) 0,75mm² | | | | |
| 7911812 | 12 | 0.465" / 11.8mm | 104 | 148 |
| 7911818 | 18 | 0.591" / 15.0mm | 141 | 205 |
| 7911825 | 25 | 0.650" / 16.5mm | 184 | 278 |
| 17 AWG (32/32) 1,00mm² | | | | |
| 7911712 | 12 | 0.512" / 13.0mm | 127 | 178 |
| 7911718 | 18 | 0.634" / 16.1mm | 164 | 262 |
| 7911725 | 25 | 0.709" / 18.0mm | 231 | 362 |
| 16 AWG (30/30) 1,50mm² | | | | |
| 7911604 | 4 | 0.350" / 8.9mm | 55 | 101 |
| 7911612 | 12 | 0.638" / 16.2mm | 174 | 231 |
| 7911618 | 18 | 0.799" / 20.3mm | 248 | 325 |
| 7911625 | 25 | 0.886" / 22.5mm | 334 | 476 |
| 14 AWG (140/34) 2,50mm² | | | | |
| 7911404 | 4 | 0.441" / 11.2mm | 110 | 188 |
| 12 AWG (224/34) 4,00mm² | | | | |
| 7911204 | 4 | 0.516" / 13.1mm | 149 | 268 |
| 10 AWG (192/32) 6,00mm² | | | | |
| 7911004 | 4 | 0.606" / 15.4mm | 205 | 369 |

Festoon, Lift & Torsion Cables