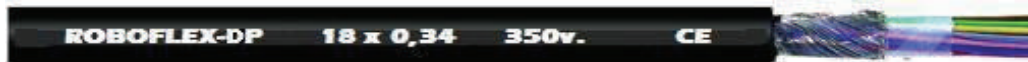


ROBOFLEX-DP Shielded Torsion



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