

## PUR series drag chain cable/ Servo motor shielded power cable

### sketch map



### Technical parameter:

Conductor: Ultra-fine multi-stranded bare copper wire stranded conductor (six categories).  
 Insulation: PP or TPE insulation mixture.  
 Core color: Cable core: Black core with white numbers, one core in yellow/green:  
 Control wiring: Black core wire with white numbers.  
 Twisted pair: The optimal pitch is twisted in pairs.  
 Sub shielding: Control the individual tin plated copper wire shielding of the line, with an optical coverage of about 85%.  
 Core wire stranding: The cable core and control pair are twisted together at short pitch.  
 Total shielding: Tinned copper wire woven shielding, with optical coverage of about 85%.  
 Outer sheath: PUR polyurethane, adjusted to meet drag chain requirements; Colors can be matched according to customer requirements  
 Minimum bending radius: mobile application: 7.5xd; Fixed installation: 4xd.  
 Usage temperature range: drag chain: -25 ° C to+80 ° C, fixed: -40 ° C to+80 ° C  
 Rated voltage: 600/1000V  
 Test voltage: 4000V

### Product characteristics:

Has excellent UV resistance, mechanical stress resistance, and oil resistance;  
 Flame retardancy in accordance with IEC 60332-1-2, CEI 20-35, FT1, standards;  
 Designed for bending cycles up to 10 million or more in power drag chains.

### Application scope:

Suitable for use with servo motors produced by leading motor manufacturers;  
 Heavy load extension lines in power drag chain applications;  
 Suitable for assembly and picking placement equipment, assembly lines, production lines and all machines;  
 Used for power drag chains or moving mechanical components;  
 Especially suitable for damp areas of machine tools and transmission lines.  
 Note: G=including yellow green grounding wire protection core wire.

### Product standards:

Material code	Number of cores and nominal cross-section of conductors	Approximate outer diameter [mm <sup>2</sup> ]	Cable weight kg/km
FD-800CP-4-1.5	4G1.5	9.2	140
FD-800CP-4-2.5	4G2.5	11	197
FD-800CP-4-4.0	4G4.0	12.5	268
FD-800CP-4-6.0	4G6.0	14.5	397
FD-800CP-4-10.0	4G10.0	17.8	596
FD-800CP-4-16.0	4G16.0	23.2	985
FD-800CP-4-25.0	4G25.0	27.6	1446
FD-800CP-4-35.0	4G35.0	31.8	1968
FD-800CP-4-50.0	4G50.0	36	2618
FD-800CP-4-1.5-1P1.5	4G1.5+(2x1.5)	11.6	261
FD-800CP-4-2.5-1P1.5	4G2.5+(2x1.5)	13.4	318
FD-800CP-4-4.0-1P1.5	4G4.0+(2x1.5)	14.8	385
FD-800CP-4-6.0-1P1.5	4G6.0+(2x1.5)	16.8	486
FD-800CP-4-10.0-1P1.5	4G10.0+(2x1.5)	19.4	701
FD-800CP-4-16.0-1P1.5	4G16.0+(2x1.5)	24.2	1048
FD-800CP-4-25.0-1P1.5	4G25.0+(2x1.5)	28.7	1532
FD-800CP-4-35.0-1P1.5	4G35.0+(2x1.5)	32.5	2097
FD-800CP-4-50.0-1P1.5	4G50.0+(2x1.5)	36.5	2721
FD-800CP-4-1.5-2P0.75	4G1.5+2x(2x0.75)	12.2	313
FD-800CP-4-2.5-2P1.0	4G2.5+2x(2x1.0)	14.6	395
FD-800CP-4-4.0-2P1.0	4G4.0+2x(2x1.0)	16.1	466
FD-800CP-4-4.0-2P1.5	4G4.0+2x(2x1.5)	16.3	485
FD-800CP-4-6.0-2P1.5	4G6.0+2x(2x1.5)	18.1	588
FD-800CP-4-10.0-2P1.5	4G10.0+2x(2x1.5)	21.8	819
FD-800CP-4-16.0-2P1.5	4G16.0+2x(2x1.5)	25.5	1135
FD-800CP-4-25.0-2P1.5	4G25.0+2x(2x1.5)	30.0	1559
FD-800CP-4-35.0-2P1.5	4G35.0+2x(2x1.5)	33.0	2093
FD-800CP-4-50.0-2P2.5	4G50.0+2x(2x2.5)	36.8	2920