

PUR series drag chain cable/ Encoder signal combination cable

sketch map



Technical parameter:

Conductor: Ultra-fine multi-stranded bare copper wire stranded conductor (six categories).

Insulation: PE

Core wire color: color differentiation

Twisting method: The core wire is twisted together with the tensile center

Partial shielding: The twisted pair signal core wire is shielded with tinned copper wire

Twisted wire inner protection: There is a thin inner protection layer on the surface of the twisted pair signal core wire

Total shielding: Tinned copper wire woven shielding, 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: drag chain: 8xd, fixed: 4xd

Usage temperature range: drag chain: -25 °C to +80°C, fixed: -40°C to +80°C

Rated voltage: 300/300V

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:

Heavy load extension lines in power drag chain applications;

Meet the requirements for electromagnetic interference resistance;

Connecting cable between servo controller and encoder/resolver;

Suitable for connecting servo controllers and tachogenerators;

Used for power drag chains or mobile mechanical components;

Especially suitable for assembly lines, production lines, and damp areas of machine tools and transmission lines;

Can be used for outdoor mobile occasions;

Encoders and decomposers suitable for leading manufacturers' production.

Product standards:

Material code	Number of cores and nominal cross-section of conductors mm ²	Approximate outer diameter [mm ²]	Cable weight kg/km
DPS-800CP-4-2-0.34-4-0.5	4x2x0.34+4x0.5	8.9	125
DPS-800CP-3P-0.14-2-0.5	3x(2x0.14)+2x0.5	8.9	120
DPS-800CP-3P-0.14-4-0.14-2-0.5	3x(2x0.14)+4x0.14+2x0.5	8.8	110
DPS-800CP-3P-0.14-4-0.14-2-0.5-4-0.22	3x(2x0.14)+4x0.14+2x0.5+4x0.22	9.4	130
DPS-800CP-4-2-0.25-2-1.0	4x2x0.25+2x1.0	8.8	109
DPS-800CP-6-2-0.25-2-0.5	6x2x0.25+2x0.5	10.3	121
DPS-800CP-10-0.14-2-0.5	10x0.14+2x0.5	7.7	82
DPS-800CP-10-0.14-4-0.5	10x0.14+4x0.5	8.1	98
DPS-800CP-4-2-0.14-4-0.5	4x2x0.14+4x0.5	8.2	95
DPS-800CP-4-2-0.20	4x2x0.20	7.2	69
DPS-800CP-4-2-0.25	4x2x0.25	7.5	75
DPS-800CP-8-2-0.18	8x2x0.18	7.8	85
DPS-800CP-4-2-0.18	4x2x0.18	6.4	52
DPS-800CP-5-2-0.22	5x2x0.22	7.5	84
DPS-800CP-6-2-0.20	6x2x0.20	8.5	93
DPS-800CP-4-2-0.25-2-0.5	4x2x0.25+2x0.5	8.5	98
DPS-800CP-2-2-0.14-2P-0.14-4-0.5-4-0.14	2x2x0.14+2x(2x0.14)+4x0.5+(4x0.14)	9.1	135
DPS-800CP-2P-0.25-2-0.5	2x(2x0.25)+2x0.5	8.7	98
DPS-800CP-2-2-0.25-2-0.5	2x2x0.25+2x0.5	7.3	72