

PUR series drag chain cable/Shielded drag chain cable DPS-800CP Twisted pair signal line

sketch map



Technical parameter:

Conductor: Ultra-fine multi-stranded bare copper wire stranded conductor (six categories).
 Insulation: PE insulation mixture.
 Core wire color: color differentiation.
 Twisted pair: The optimal pitch is twisted in pairs.
 Twisting: Twisting at the optimal short pitch.
 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.
 Operating temperature range: Mobile installation: -20°C to+80°C; Fixed installation: -40°C to+80°C.
 Rated voltage: 300V.
 Test voltage: 2000V.

Product characteristics:

Has grease resistance, flexibility, and durability;
 Flame retardancy in accordance with IEC 60332-1-2,CEI 20-35,FT1,VW-1;
 Designed for bending cycles up to 10 million or more in power drag chains.

Application scope:

The pressure resistance level is not suitable for power system applications;
 Flexible cables can be used for occasional non connected mobility;
 Used for measurement and control parts of machinery, intelligent equipment, electronics, and computers;
 Electronic equipment, electronic control equipment, and office machinery that can be used as control and signal cables in computer systems;
 Dry or humid indoor environment;
 Not suitable for outdoor use;
 Twisted pair cables are used in circuits that require decoupling;
 High density weaving has strong resistance to electrical interference.

Product standards:

Material code	Number of cores and nominal cross-section of conductorsmm ²	Approximate outer diameter [mm ²]	Cable weight kg/km
DPS-800CP-2-2-0.14	2x2x0.14	5.9	40
DPS-800CP-3-2-0.14	3x2x0.14	6.2	51
DPS-800CP-4-2-0.14	4x2x0.14	6.7	56
DPS-800CP-5-2-0.14	5x2x0.14	7.3	72
DPS-800CP6-2-0.14	6x2x0.14	7.5	85
DPS-800CP-8-2-0.14	8x2x0.14	8.8	105
DPS-800CP-10-2-0.14	10x2x0.14	10.1	116
DPS-800CP-2-2-0.25	2x2x0.25	6.5	57
DPS-800CP-3-2-0.25	3x2x0.25	6.8	68
DPS-800CP-4-2-0.25	4x2x0.25	7.4	81
DPS-800CP-6-2-0.25	6x2x0.25	8.9	127
DPS-800CP-8-2-0.25	8x2x0.25	10.4	151
DPS-800CP-10-2-0.25	10x2x0.25	12.0	181
DPS-800CP-14-2-0.25	14x2x0.25	12.2	214
DPS-800CP-2-2-0.34	2x2x0.34	7.1	78
DPS-800CP-3-2-0.34	3x2x0.34	7.5	97
DPS-800CP-4-2-0.34	4x2x0.34	8.4	116
DPS-800CP-6-2-0.34	6x2x0.34	10.1	162
DPS-800CP-8-2-0.34	8x2x0.34	11.8	196
DPS-800CP-10-2-0.34	10x2x0.34	13.8	270
DPS-800CP-2-2-0.5	2x2x0.5	8.3	95
DPS-800CP-3-2-0.5	3x2x0.5	8.8	125
DPS-800CP-4-2-0.5	4x2x0.5	9.8	142
DPS-800CP-5-2-0.5	5x2x0.5	10.7	163
DPS-800CP-6-2-0.5	6x2x0.5	11.8	191
DPS-800CP-8-2-0.5	8x2x0.5	14.0	281
DPS-800CP-10-2-0.5	10x2x0.5	15.9	340
DPS-800CP-14-2-0.5	14x2x0.5	16.2	397
DPS-800CP-2-2-0.75	2x2x0.75	8.9	107
DPS-800CP-3-2-0.75	3x2x0.75	9.7	152
DPS-800CP-4-2-0.75	4x2x0.75	10.6	168
DPS-800CP-6-2-0.75	6x2x0.75	12.8	227
DPS-800CP-8-2-0.75	8x2x0.75	15.2	338
DPS-800CP-10-2-0.75	10x2x0.75	17.3	462
DPS-800CP-14-2-0.75	14x2x0.75	18.2	541
DPS-800CP-2-2-1.0	2x2x1.0	9.7	125
DPS-800CP-3-2-1.0	3x2x1.0	10.4	165
DPS-800CP-4-2-1.0	4x2x1.0	11.6	201
DPS-800CP-5-2-1.0	5x2x1.0	12.7	234