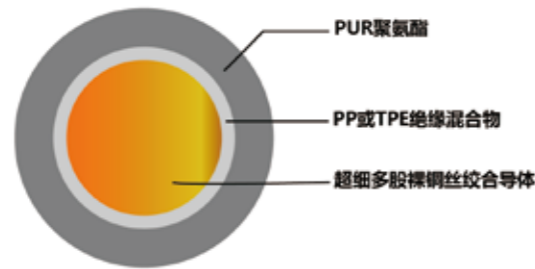


# PUR series drag chain cable/Unshielded drag chain cable FD-800P Power cable

## sketch map



## Technical parameter:

Conductor: Ultra-fine multi-stranded bare copper wire stranded conductor (six categories)  
 Insulation: PP or TPE insulation mixture.  
 Core wire color: color differentiation or black core wire white numerical identification.  
 Core wire stranding: cores < 12: cores twisted together at short pitch, cores ≥ 12: bundled stranding  
 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: -25°C to +85°C; Fixed installation: -50°C to +85°C  
 Rated voltage: 300/500V  
 Test voltage: 4000V

## Product characteristics:

Has excellent wear resistance, bending resistance, oil resistance, and hydrolysis resistance;  
 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:

Used for power drag chains or moving mechanical components;  
 Especially suitable for damp areas of machine tools and transmission lines;  
 Used for measuring, controlling, and regulating circuits;  
 Power circuits used in automation engineering electrical equipment;  
 Used in dry or humid indoor environments with high mechanical loads.

## Product standards:

Material code	Number of cores and nominal cross-section of conductors mm <sup>2</sup>	Approximate outer diameter [mm <sup>2</sup> ]	Cable weight kg/km
FD-800P-2-0.5	2x0.5	5.3	36
FD-800P-3-0.5	3x0.5	4.7	44
FD-800P-4-0.5	4x0.5	6.3	54
FD-800P-5-0.5	5x0.5	6.8	63
FD-800P-7-0.5	7x0.5	8.0	84
FD-800P-12-0.5	12x0.5	9.5	132
FD-800P-18-0.5	18x0.5	11.8	181
FD-800P-25-0.5	25x0.5	13.5	246
FD-800P-30-0.5	30x0.5	14.3	286
FD-800P-34-0.5	34x0.5	15.6	336
FD-800P-50-0.5	50x0.5	18.5	496
FD-800P-2-0.75	2x0.75	5.7	45
FD-800P-3-0.75	3x0.75	6.2	56
FD-800P-4-0.75	4x0.75	6.8	66
FD-800P-5-0.75	5x0.75	7.4	80
FD-800P-7-0.75	7x0.75	8.9	106
FD-800P-12-0.75	12x0.75	10.6	169
FD-800P-18-0.75	18x0.75	12.7	255
FD-800P-25-0.75	25x0.75	15.2	359
FD-800P-2-1.0	2x1.0	6.1	54
FD-800P-3-1.0	3x1.0	6.6	68
FD-800P-4-1.0	4x1.0	7.3	84
FD-800P-5-1.0	5x1.0	8.0	100
FD-800P-7-1.0	7x1.0	9.6	138
FD-800P-12-1.0	12x1.0	11.4	213
FD-800P-14-1.0	14x1.0	12.3	254
FD-800P-16-1.0	16x1.0	13	283
FD-800P-18-1.0	18x1.0	13.9	320
FD-800P-25-1.0	25x1.0	16.4	441
FD-800P-41-1.0	41x1.0	20.6	708
FD-800P-50-1.0	50x1.0	22.3	850
FD-800P-2-1.5	2x1.5	7.7	79
FD-800P-3-1.5	3x1.5	8.2	102
FD-800P-4-1.5	4x1.5	9	127
FD-800P-5-1.5	5x1.5	9.8	162
FD-800P-7-1.5	7x1.5	11.0	199
FD-800P-12-1.5	12x1.5	15	323
FD-800P-18-1.5	18x1.5	18	461
FD-800P-25-1.5	25x1.5	21	658
FD-800P-2-2.5	2x2.5	9.2	109
FD-800P-3-2.5	3x2.5	10	141
FD-800P-4-2.5	4x2.5	10.8	186
FD-800P-5-2.5	5x2.5	12	224
FD-800P-7-2.5	7x2.5	14.2	307
FD-800P-12-2.5	12x2.5	18.5	482
FD-800P-18-2.5	18x2.5	23	739
FD-800P-25-2.5	25x2.5	25	967
FD-800P-3-4.0	3x4.0	11	194
FD-800P-4-4.0	4x4.0	12.3	256
FD-800P-5-4.0	5x4.0	13.8	321
FD-800P-4-6.0	4x6.0	14.5	369
FD-800P-5-6.0	5x6.0	16	454
FD-800P-4-10.0	4x10.0	18.2	588
FD-800P-5-10.0	5x10.0	20.6	758
FD-800P-4-16.0	4x16.0	21.5	896
FD-800P-5-16.0	5x16.0	24.5	1115
FD-800P-4-25.0	4x25.0	28.5	1441
FD-800P-4-35.0	4x35.0	31	1890