

PUR Extra Flexible Screened Cable

Cable Application

Designed for use in heavy duty industrial applications where flexibility and heavy wear and tear are required. For use in control circuits, measuring and also in power circuits, in the automation industry, in assembly lines and production lines etc. Suitable in drag chains where the cable is exposed to fast and abrupt movements. The copper braid screen protects against electro-magnetic interferences.

Technical Information

Conductor:	Super fine, stranded, plain copper
Stranding:	According to VDE 0295 class 6, IEC 60228
Insulation:	PVC insulated
Cores:	Number coded and gly earth
Bedding:	PVC
Screen:	Tinned copper wire braid
Outer Sheath:	PUR grey, RAL7001, microbe and hydrolysis-resistant, adhesion free, flame retardant
Voltage:	Working: 300/500V • Test: 2000V
Temperature Range:	Flexing: -10°C to +70°C • Static: -40°C to +70°C
Bending Radius:	7.5 x Ø

Number of cores and mm ² per conductor	Outer diameter in mm maximum	Copper weight kg/km	Approx. weight kg/km
2 x 0.5	6.9	33	70
3 G 0.5	7.3	39	80
4 G 0.5	7.9	46	94
5 G 0.5	8.4	54	106
7 G 0.5	9.8	70	138
12 G 0.5	11.3	100	194
18 G 0.5	13.4	153	277
2 x 0.75	7.3	39	81
3 G 0.75	7.8	48	95
4 G 0.75	8.4	59	111
5 G 0.75	9.0	69	128
7 G 0.75	10.7	90	171
12 G 0.75	12.4	129	244
16 G 0.75	14.2	186	328
18 G 0.75	14.9	205	356
25 G 0.75	18.0	271	479
2 x 1.0	7.7	46	93
3 G 1.0	8.2	57	109
4 G 1.0	8.9	70	129
5 G 1.0	9.8	81	154
7 G 1.0	11.4	110	200
12 G 1.0	13.4	182	304

Number of cores and mm ² per conductor	Outer diameter in mm maximum	Copper weight kg/km	Approx. weight kg/km
16 G 1.0	15.2	230	387
18 G 1.0	16.1	254	429
25 G 1.0	19.5	365	593
2 x 1.5	8.4	58	112
3 G 1.5	9.0	75	133
4 G 1.5	9.9	91	163
5 G 1.5	10.9	112	193
7 G 1.5	12.7	145	252
12 G 1.5	15.1	247	391
16 G 1.5	16.8	314	487
18 G 1.5	17.8	348	542
25 G 1.5	21.9	498	767
3 G 2.5	10.8	119	199
4 G 2.5	11.8	161	238
5 G 2.5	13.2	194	297
7 G 2.5	15.8	262	403
12 G 2.5	18.2	410	589
14 G 2.5	19.8	490	702
3 G 4.0	12.4	180	275
4 G 4.0	13.7	238	349
5 G 4.0	15.3	280	423
4 G 6.0	16.1	318	499