PUR Extra Flexible Cable

Cable Application

A highly flexible, unscreened PUR sheathed, robotics style cable. This cable is used in control circuits, measuring, power circuits, the automation industry and on assembly lines/production lines. Also suitable in drag chains where the cable is exposed to fast and abrupt movements.

Technical Information

Conductor: Super flexible plain copper
Stranding: According to VDE 0295 class 6, IEC 60228
Insulation: PVC plus textile wrapping
Cores: Number coded and Gly earth
Outer Sheath: PUR Grey, RAL 7001, microbe and hydrolysis resistant, adhesion free, flame retardant
Voltage: **Working:** 300/500V • **Test:** 2000V
Temperature Range: **Flexing:** -5°C to +70°C • **Static:** -40°C to +70°C
Bending Radius: 7.5 x Ø

Number of cores and mm² per conductor	Outer diameter in mm maximum	Copper weight kg/km	Approx. weight kg/km
2 x 0.5	5.8	10.0	36
3 G 0.5	6.2	15.0	44
4 G 0.5	6.8	19.2	53
5 G 0.5	7.3	24.0	62
7 G 0.5	8.5	34.0	82
12 G 0.5	10.0	58.0	129
18 G 0.5	12.0	86.4	185
2 x 1.75	6.2	15.0	44
3 G 0.75	6.7	22.0	55
4 G 0.75	7.3	29.0	67
5 G 0.75	7.9	37.0	80
7 G 0.75	9.4	51.0	109
12 G 0.75	11.2	87.0	172
16 G 0.75	12.6	116.0	223
18 G 0.75	13.3	130.0	247
25 G 0.75	15.9	181.0	346
26 G 0.75	15.9	188.0	357
2 x 1.0	6.6	20.0	52
3 G 1.0	7.1	29.0	66
4 G 1.0	7.8	39.0	82
5 G 1.0	8.5	48.0	97
7 G 1.0	10.1	67.0	117
12 G 1.0	12.0	115.0	211
16 G 1.0	13.6	153.0	275
18 G 1.0	14.5	173.0	310

Number of cores and mm² per conductor	Outer diameter in mm maximum	Copper weight kg/km	Approx. weight kg/km
25 G 1.0	17.8	240.0	426
26 G 1.0	17.8	249.6	440
34 G 1.0	19.6	326.4	571
41 G 1.0	21.2	394.0	684
50 G 1.0	22.9	480.0	822
65 G 1.0	26.2	624.0	1058
2 x 1.5	7.3	29.0	68
3 G 1.5	7.9	43.2	86
4 G 1.5	8.6	58.0	106
5 G 1.5	9.6	72.0	131
7 G 1.5	11.5	101.0	178
12 G 1.5	13.5	173.0	281
16 G 1.5	15.2	230.0	365
18 G 1.5	16.3	269.0	411
25 G 1.5	20.0	360.0	571
26 G 1.5	20.0	374.4	589
34 G 1.5	21.7	489.6	753
42 G 1.5	23.6	629.0	919
50 G 1.5	25.6	720.0	1093
3 G 2.5	9.5	72.0	135
4 G 2.5	10.5	96.0	168
5 G 2.5	11.8	120.0	206
7 G 2.5	14.2	168.0	286
12 G 2.5	16.7	288.0	453
14 G 2.5	17.9	336.0	525