

PUR Screened Control Cable

Cable Construction

Control cable with high abrasion and tear resistant properties. Also resistant to mineral oils, especially to coolant emulsions and UV radiation. The copper braid screen protects against electromagnetic interferences and is, therefore, suitable as data transmission cable and connection cable.

Technical Information

Conductor:	Bare flexible stranded copper
Stranding:	According to VDE 0295 class 5, IEC 60228
Insulation:	Black PVC, number coded, Gly earth
Bedding:	PVC
Screen:	Tinned copper wire braid screen, plain stranded copper
Outer Sheath:	PUR Grey, RAL 7001, microbe and hydrolysis resistant
Voltage:	Working: 300/500V • Test: 2000V
Temperature Range:	Flexing: -5°C to +70°C • Static: -5°C to +70°C
Bending Radius:	12.5 x Ø

Number of cores and mm ² per conductor	Approx. outside diameter in mm ca.	Copper weight kg/km	Approx. weight kg/km	Number of cores and mm ² per conductor	Approx. outside diameter in mm ca.	Copper weight kg/km	Approx. weight kg/km
2 x 0.5	8.0	39	92	7 G 1.0	12.8	115	255
3 G 0.5	8.3	44	100	12 G 1.0	15.4	201	419
4 G 0.5	8.8	52	120	15 G 1.0	17.7	267	546
5 G 0.5	9.7	61	139	25 G 1.0	21.5	351	738
7 G 0.5	11.2	75	175	34 G 1.0	23.8	498	972
12 G 0.5	13.7	131	276	2 x 1.5	9.5	68	159
18 G 0.5	15.7	168	376	3 G 1.5	9.9	83	180
25 G 0.5	18.5	212	485	4 G 1.5	10.8	102	217
2 x 0.75	8.4	45	104	5 G 1.5	11.6	119	265
3 G 0.75	8.7	52	119	7 G 1.5	14.2	186	392
4 G 0.75	9.5	67	142	12 G 1.5	16.8	264	554
5 G 0.75	10.2	75	165	18 G 1.5	20.0	379	782
7 G 0.75	11.9	96	210	25 G 1.5	23.5	534	1,059
12 G 0.75	14.5	160	331	34 G 1.5	26.7	695	1,359
18 G 0.75	16.9	217	468	41 G 1.5	28.9	803	1,579
25 G 0.75	20.3	283	596	3 G 2.5	11.4	121	264
2 x 1.0	8.7	49	117	4 G 2.5	12.6	145	307
3 G 1.0	9.3	60	132	5 G 2.5	14.0	205	413
4 G 1.0	9.9	78	163	7 G 2.5	16.4	259	533
5 G 1.0	10.8	88	187	12 G 2.5	21.0	407	795