

ROUNDFLEX 500-CY

Screened Flexible PVC Control cable



Application

PVC Control cables are suitable for use as both power and control cables in electrical facilities for both fixed laying and flexible applications where the cable is not subject to tensile stresses. It is suitable for use in dry, humid and wet rooms but should only be used outdoors with additional UV protection. It is not suitable for laying underground.



Construction

Conductor :	Fine stranded plain copper according to VDE 0295 Class 5
Insulation:	PVC
Core colour :	According to VDE 0293 - up to 5 wires coloured, 6 wires and above black with white numbers with or without green/yellow earth (please refer to data for specific sizes)
Shield :	Tinned copper braid - coverage ca. 85%
Sheath :	PVC
Sheath colour :	Grey RAL 7001
Imprint :	CY 300/500V

Working Environment

Maximum operating temperature in fixed application :	-30 deg C - + 80 deg C
Maximum operating temperature in mobile application :	-5 deg C - + 70 deg C
Maximum temperature at conductor :	+70 deg C
Environment :	suitable for use in dry, humid & wet room areas

Electrical properties

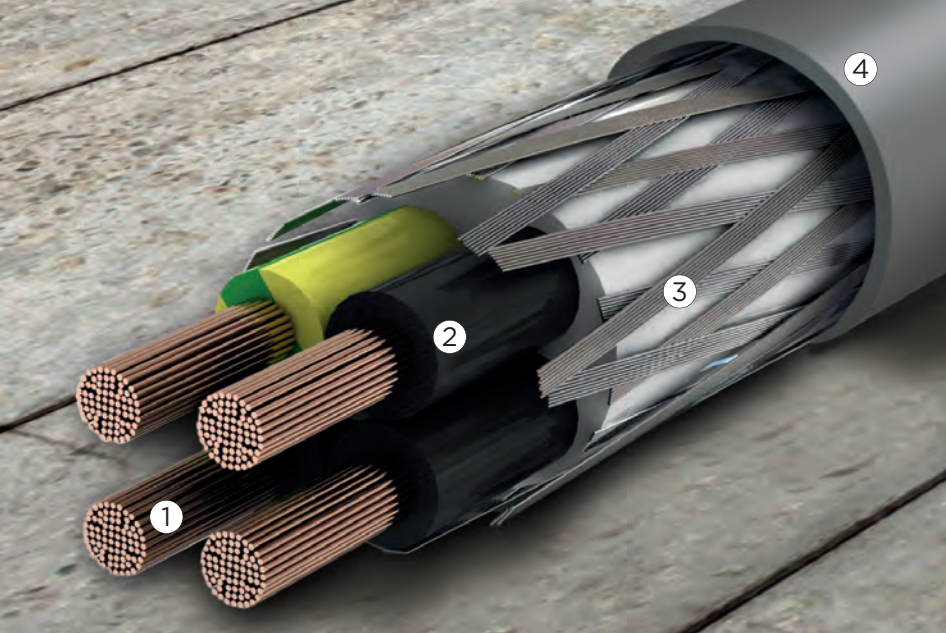
Nominal voltage :	300/500 V
Test Voltage :	4000 V

Additional information

Minimum bending radius :	Mobile application - 15 x cable thickness
Flame resistance :	Self extinguishing & flame retardant acc. To IEC 332-1

Applied Standards

	Similar to DIN VDE 0245, 0250 & 0281
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- ① Copper conductor
- ② PVC Insulation
- ③ Tinned copper screen
- ④ PVC outer sheath

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Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer diameter approx. (mm)	Weight kg/km
08051 0050 03CY	3 G 0.5	10A	46.0	7.3	83
08051 0050 04CY	4 G 0.5	10A	55.0	7.9	99
08051 0050 05CY	5 G 0.5	10A	66.0	8.4	112
08051 0050 07CY	7 G 0.5	10A	80.5	9.1	132
08051 0050 12CY	12 G 0.5	10A	138.5	11.5	230
08051 0075 02CY	2 X 0.75	13A	46.0	7.5	86
08051 0075 03CY	3 G 0.75	13A	57.0	7.9	100
08051 0075 04CY	4 G 0.75	13A	64.0	8.4	115
08051 0075 05CY	5 G 0.75	13A	77.0	9.1	130
08051 0075 07CY	7 G 0.75	13A	102.0	9.7	161
08051 0075 12CY	12 G 0.75	13A	176.0	12.7	280
08051 0100 02CY	2 X 1	16A	56.0	7.9	98
08051 0100 03CY	3 G 1	16A	65.0	8.2	111
08051 0100 04CY	4 G 1	16A	78.0	8.9	130
08051 0100 05CY	5 G 1	16A	89.0	9.7	153
08051 0100 07CY	7 G 1	16A	113.3	10.4	185
08051 0100 12CY	12 G 1	16A	188.1	13.6	350
08051 0150 02CY	2 X 1.5	20A	65.0	8.7	132
08051 0150 03CY	3 G 1.5	20A	79.0	9.0	170
08051 0150 04CY	4 G 1.5	20A	97.0	9.8	204
08051 0150 05CY	5 G 1.5	20A	116.0	10.6	246
08051 0150 07CY	7 G 1.5	20A	196.0	11.5	320
08051 0150 12CY	12 G 1.5	20A	280.0	15.2	450
08051 0250 02CY	2 X 2.5	25A	112.0	10.1	180
08051 0250 03CY	3 G 2.5	25A	146.0	10.5	211
08051 0250 04CY	4 G 2.5	25A	167.0	11.5	310
08051 0250 05CY	5 G 2.5	25A	200.0	12.8	326
08051 0250 07CY	7 G 2.5	25A	288.0	14.0	444
08051 0250 12CY	12 G 2.5	25A	477.3	18.2	690
08051 0400 04CY	4 G 4	36A	237.0	13.7	403
08051 0400 05CY	5 G 4	36A	380.0	15.4	478
08051 0400 07CY	7 G 4	36A	388.0	16.6	620

We reserve the right to amend all technical details without prior notification

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Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer diameter approx. (mm)	Weight kg/km
08051 0600 04CY	4 G 6	45A	318.0	16.1	524
08051 0600 05CY	5 G 6	45A	441.0	17.3	624
08051 0600 07CY	7 G 6	45A	505.0	18.8	907
08051 1000 04CY	4 G 10	64A	558.0	19.4	843
08051 1000 05CY	5 G 10	64A	714.0	21.8	1004
08051 1600 04CY	4 G 16	87A	804.0	22.8	1395
08051 1600 05CY	5 G 16	87A	1050.0	26.1	1812
08051 2500 04CY	4 G 25	115A	1289.0	29.4	1903
08051 2500 05CY	5 G 25	115A	1446.0	32.6	2374
08051 3500 04CY	4 G 35	140A	1693.0	32.4	2489
08051 3500 05CY	5 G 35	140A	1975.0	36.0	2771
08051 5000 04CY	4 G 50	180A	2342.0	38.8	3362
08051 7000 04CY	4 G 70	210A	3103.0	43.7	3719
08051 9500 04CY	4 G 95	250A	4055.0	50.4	5849
08051 1200 04CY	4 G 120	292A	5225.0	56.8	7509
08051 1500 04CY	4 G 150	335A	6300.0	61.5	7800
08051 1850 04CY	4 G 185	382A	7753.0	64.5	9866

Other sizes are available on request