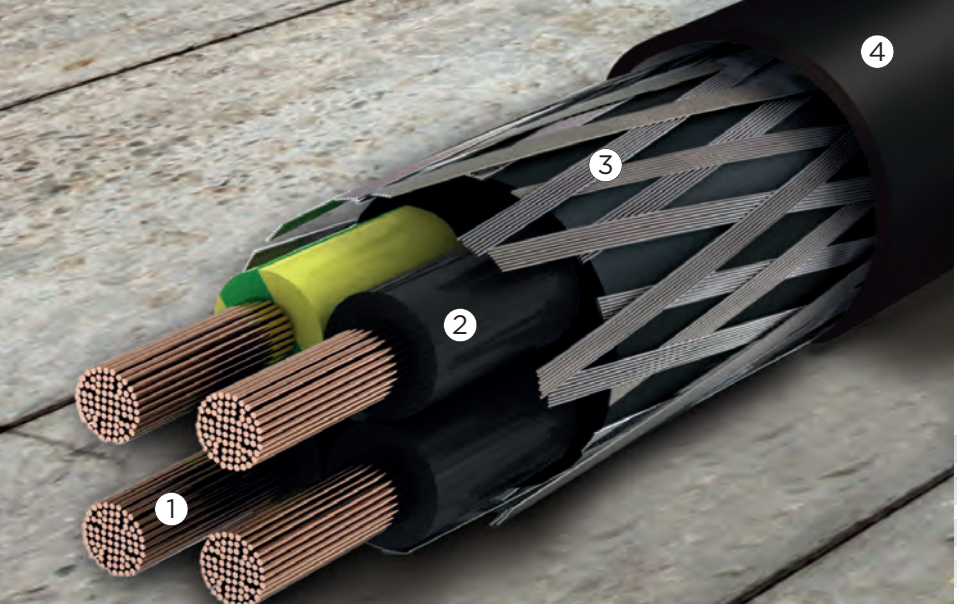
ROUNDFLEX HV–CY 0.6/1 kV

Flexible Screened PVC Control cable 600/1000V

Application
Screened 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 –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 :	Black RAL 9005
Imprint :	OPVC–YCY 600/1000V
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 :	600/1000 V
Test Voltage :	4000 V
Additional information	
Minimum bending radius :	Mobile application – 15 x cable thickness
	Fixed application – 6 x cable diameter
Flame resistance :	Self extinguishing & flame retardant acc. To IEC 332–1
Applied Standards	Similar to DIN VDE 0250, 0276 part 603 & 0281



SIMBAL

1. Copper conductor
2. PVC Insulation
3. Tinned copper screen
4. PVC outer sheath

ROUNDFLEX HV–CY 0.6/1 kV

Flexible Screened PVC Control cable 600/1000V

Part No	Cross Section mm2	Current Rating @ 30 Deg	CU Number kg/km	Outer Diameter approx. (mm)	Weight kg/km
08051 0050 03 HV–CY	3 G 0.5	10A	45.0	10.4	181
08051 0050 04 HV–CY	4 G 0.5	10A	54.0	11.0	210
08051 0050 05 HV–CY	5 G 0.5	10A	62.0	11.6	239
08051 0050 07 HV–CY	7 G 0.5	10A	76.0	12.3	274
08051 0050 12 HV–CY	12 G 0.5	10A	131.0	14.9	398
08051 0500 18 HV–CY	18 G 0.5	10A	175.0	17.0	522
08051 0075 02 HV–CY	2 X 0.75	13A	46.0	10.5	183
08051 0075 03 HV–CY	3 G 0.75	13A	56.0	10.9	210
08051 0075 04 HV–CY	4 G 0.75	13A	67.0	11.4	238
08051 0075 05 HV–CY	5 G 0.75	13A	78.0	12.1	272
08051 0075 07 HV–CY	7 G 0.75	13A	97.0	12.9	315
08051 0075 12 HV–CY	12 G 0.75	13A	168.0	15.8	464
08051 0075 18 HV–CY	18 G 0.75	13A	229.0	18.0	616
08051 0100 02 HV–CY	2 X 1	16A	52.0	10.8	198
08051 0100 03 HV–CY	3 G 1	16A	66.0	11.2	228
08051 0100 04 HV–CY	4 G 1	16A	79.0	11.8	261
08051 0100 05 HV–CY	5 G 1	16A	93.0	12.6	300
08051 0100 07 HV–CY	7 G 1	16A	117.0	13.3	335
08051 0100 12 HV–CY	12 G 1	16A	204.0	16.4	522
08051 0100 18 HV–CY	18 G 1	16A	280.0	18.7	687
08051 0150 02 HV–CY	2 X 1.5	20A	69.0	11.8	243
08051 0150 03 HV–CY	3 G 1.5	20A	87.0	12.3	273
08051 0150 04 HV–CY	4 G 1.5	20A	102.0	13.0	290
08051 0150 05 HV–CY	5 G 1.5	20A	125.0	13.9	352
08051 0150 07 HV–CY	7 G 1.5	20A	180.0	15.0	448
08051 0150 12 HV–CY	12 G 1.5	20A	281.0	18.7	690
08051 0150 18 HV–CY	18 G 1.5	20A	391.0	21.8	938
08051 0250 02 HV–CY	2 X 2.5	25A	112.0	12.1	202
08051 0250 03 HV–CY	3 G 2.5	25A	123.0	13.5	354
08051 0250 04 HV–CY	4 G 2.5	25A	168.0	14.6	413
08051 0250 05 HV–CY	5 G 2.5	25A	204.0	14.6	515
08051 0250 07 HV–CY	7 G 2.5	25A	265.0	17.0	619
08051 0250 12 HV–CY	12 G 2.5	25A	421.0	21.7	936
08051 0250 18 HV–CY	18 G 2.5	25A	596.0	26.0	958

Other sizes are available on request

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

ROUNDFLEX HV–CY 0.6/1 kV

Flexible Screened PVC Control cable 600/1000V

Part No	Cross Section mm2	Current Rating @ 30 Deg	CU Number kg/km	Outer diameter approx. (mm)	Weight kg/km
08051 0400 04 HV–CY	4 G 4	36A	238.0	16.2	587
08051 0400 05 HV–CY	5 G 4	36A	302.0	17.7	689
08051 0400 07 HV–CY	7 G 4	36A	396.0	19.0	828
08051 0600 04 HV–CY	4 G 6	45A	318.0	17.7	715
08051 0600 05 HV–CY	5 G 6	45A	419.0	19.2	862
08051 0600 07 HV–CY	7 G 6	45A	559.0	21.2	1105
08051 1000 04 HV–CY	4 G 10	64A	574.0	21.7	1188
08051 1000 05 HV –CY	5 G 10	64A	714.0	23.0	1305
08051 1600 04 HV–CY	4 G 16	87A	809.0	24.3	1480
08051 1600 05 HV –CY	5 G 16	87A	1053.0	28.9	1656
08051 2500 04 HV–CY	4 G 25	115A	1165.0	29.8	2179
08051 2500 05 HV–CY	5 G 25	115A	1446.0	31.6	2347
08051 3500 04 HV–CY	4 G 35	140A	1683.0	32.7	2771
08051 3500 05 HV–CY	5 G 35	140A	1975.0	39.6	2893
08051 5000 04 HV–CY	4 G 50	180A	2368.0	39.6	4094
08051 7000 04 HV–CY	4 G 70	210A	3261.0	44.5	5467
08051 9500 04 HV–CY	4 G 95	250A	4055.0	51.0	5849
08051 1200 04 HV–CY	4 G 120	292A	5225.0	58.1	7509

Other sizes are available on request