

ROUNDFLEX CY Multinorm / 2 – Norm

UL/CSA Approved Screened Flexible PVC Control cable



Application
 Multinorm & 2-Norm PVC Control cables carry UL/CSA approval in addition to the DIN VDE approvals, these 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 with green/yellow earth (from 3 cores up)
Shield:	Tinned copper braid - coverage ca. 85%
Sheath :	PVC
Sheath colour :	Grey RAL 7001

Working Environment

Maximum operating temperature in fixed application :	-40 deg C - + 90 deg C
Maximum operating temperature in mobile application :	-5 deg C - + 90 deg C
Maximum temperature at conductor :	+70 deg C
Environment :	suitable for use in dry, humid & wet room areas

Electrical properties

Nominal voltage :	HAR 300/500 V : UL/CSA 600 V
Test Voltage :	3000 V

Additional information

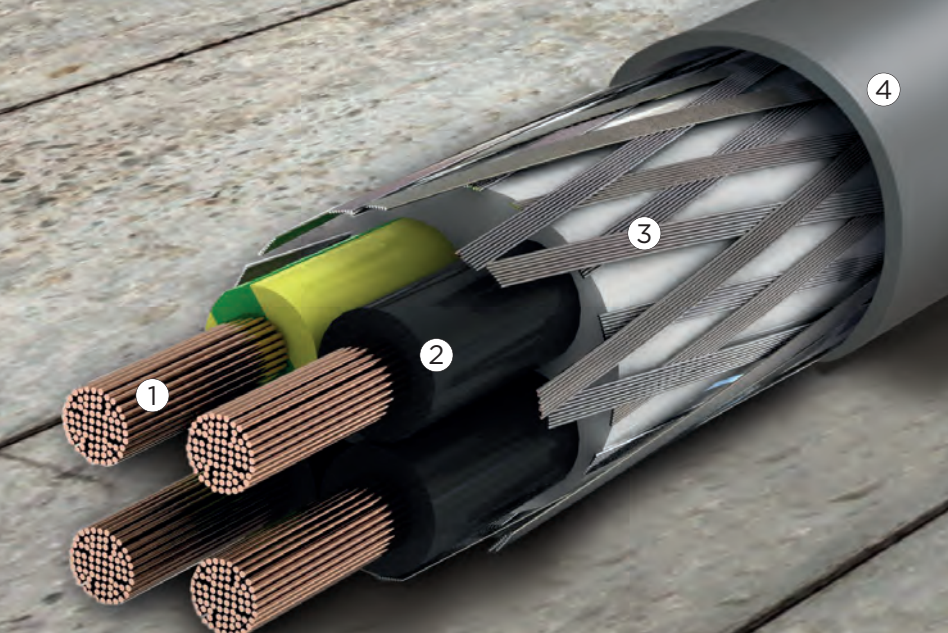
Minimum bending radius :	Mobile application - 12.5 x cable diameter Fixed application - 6 x cable diameter
Flame resistance :	Self extinguishing & flame retardant acc. To IEC 332 -1: VW1: CSA FT1

Applied Standards

	DIN VDE 0281 T13
	UL style 2517/2817
	CSA C22.2 No.210.2 -M90

Approvals

	HAR HD21:13 S1
	UL -AWM style 2587
	CSA -AWM 1 A/B II A/B



- ① Copper conductor
- ② PVC insulation
- ③ Tinned copper screen
- ④ PVC outer sheath

ROUNDFLEX CY Multinorm / 2-Norm

UL/CSA Approved Screened Flexible PVC Control cable

Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer diameter approx. (mm)	Weight kg/km
08051 0050 03 CY CSA	3 G 0.5(AWG20)	10A	42.0	8.4	105
08051 0050 04 CY CSA	4 G 0.5(AWG20)	10A	51.0	9.3	123
08051 0050 05 CY CSA	5 G 0.5(AWG20)	10A	56.0	10.2	147
08051 0050 07 CY CSA	7 G 0.5(AWG20)	10A	75.0	11.5	195
08051 0050 12 CY CSA	12 G 0.5(AWG20)	10A	124.0	13.6	276
08051 0050 18 CY CSA	18 G 0.5(AWG20)	10A	166.0	16.5	418
08051 0050 25 CY CSA	25 G 0.5(AWG20)	10A	196.0	19.7	504
08051 0050 34 CY CSA	34 G 0.5(AWG20)	10A	242.0	21.6	632
08051 0075 03 CY CSA	3 G 0.75(AWG19)	13A	50.0	8.8	127
08051 0075 04 CY CSA	4 G 0.75(AWG19)	13A	61.0	10.0	155
08051 0075 05 CY CSA	5 G 0.75(AWG19)	13A	69.0	10.4	185
08051 0075 07 CY CSA	7 G 0.75(AWG19)	13A	93.0	12.2	225
08051 0075 12 CY CSA	12 G 0.75(AWG19)	13A	166.0	13.8	354
08051 0075 18 CY CSA	18 G 0.75(AWG19)	13A	257.0	16.1	517
08051 0075 25 CY CSA	25 G 0.75(AWG19)	13A	319.0	18.7	678
08051 0075 34 CY CSA	34 G 0.75(AWG19)	13A	360.0	23.2	805
08051 0100 03 CY CSA	3 G 1(AWG18)	16A	61.0	9.5	144
08051 0100 04 CY CSA	4 G 1(AWG18)	16A	76.0	10.6	178
08051 0100 05 CY CSA	5 G 1(AWG18)	16A	85.0	11.3	205
08051 0100 07 CY CSA	7 G 1(AWG18)	16A	113.0	13.1	263
08051 0100 12 CY CSA	12 G 1(AWG18)	16A	195.0	16.4	424
08051 0100 18 CY CSA	18 G 1(AWG18)	16A	256.0	19.1	560
08051 0100 25 CY CSA	25 G 1(AWG18)	16A	342.0	22.4	760
08051 0100 34 CY CSA	34 G 1(AWG18)	16A	447.0	25.3	945
08051 0150 03 CY CSA	3 G 1.5(AWG16)	20A	80.0	10.4	160
08051 0150 04 CY CSA	4 G 1.5(AWG16)	20A	94.0	11.1	210
08051 0150 05 CY CSA	5 G 1.5(AWG16)	20A	114.0	12.1	240
08051 0150 07 CY CSA	7 G 1.5(AWG16)	20A	143.0	14.0	305
08051 0150 12 CY CSA	12 G 1.5(AWG16)	20A	254.0	17.1	482
08051 0150 18 CY CSA	18 G 1.5(AWG16)	20A	314.0	19.8	611
08051 0150 25 CY CSA	25 G 1.5(AWG16)	20A	477.0	24.6	950
08051 0150 34 CY CSA	34 G 1.5(AWG16)	20A	671.0	27.3	1200
08051 0150 50 CY CSA	50 G 1.5(AWG16)	20A	911.0	31.5	1865

Other sizes are available on request

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

ROUNDFLEX CY Multinorm / 2 – Norm

UL/CSA Approved Flexible PVC Control cable

Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer diameter approx. (mm)	Weight kg/km
08051 0250 03 CY CSA	3 G 2.5(AWG14)	25A	115.0	12.3	244
08051 0250 04 CY CSA	4 G 2.5(AWG14)	25A	141.0	13.5	296
08051 0250 05 CY CSA	5 G 2.5(AWG14)	25A	188.0	14.8	367
08051 0250 07 CY CSA	7 G 2.5(AWG14)	25A	241.0	17.1	478
08051 0250 12 CY CSA	12 G 2.5(AWG14)	25A	397.0	21.7	622
08051 0250 18 CY CSA	18 G 2.5(AWG14)	25A	556.0	26.1	1010
08051 0250 25 CY CSA	25 G 2.5(AWG14)	25A	790.0	30.7	1375
08051 0250 34 CY CSA	34 G 2.5(AWG14)	25A	1007.0	34.4	1893
08051 0250 50 CY CSA	50 G 2.5(AWG14)	25A	1498.0	39.3	2666
08051 0400 03 CY CSA	3 G 4(AWG12)	36A	208.0	13.2	310
08051 0400 04 CY CSA	4 G 4(AWG12)	36A	236.0	14.6	456
08051 0400 05 CY CSA	5 G 4(AWG12)	36A	277.0	15.9	532
08051 0400 07 CY CSA	7 G 4(AWG12)	36A	395.0	19.1	737
08051 0600 03 CY CSA	3 G 6(AWG10)	45A	242.0	15.3	411
08051 0600 04 CY CSA	4 G 6(AWG10)	45A	316.0	16.7	572
08051 0600 05 CY CSA	5 G 6(AWG10)	45A	413.0	18.5	732
08051 0600 07 CY CSA	7 G 6(AWG10)	45A	570.0	21.2	961
08051 1000 03 CY CSA	3 G 10(AWG8)	64A	416.0	19.2	741
08051 1000 04 CY CSA	4 G 10(AWG8)	64A	571.0	21.3	988
08051 1000 05 CY CSA	5 G 10(AWG8)	64A	690.0	23.9	1202
08051 1000 07 CY CSA	7 G 10(AWG8)	64A	971.0	26.7	1743
08051 1600 03 CY CSA	3 G 16(AWG6)	87A	660.0	24.4	1088
08051 1600 04 CY CSA	4 G 16(AWG6)	87A	821.0	29.4	1662
08051 1600 05 CY CSA	5 G 16(AWG6)	87A	1127.0	30.8	2021
08051 2500 03 CY CSA	3 G 25(AWG4)	115A	1091.0	30.4	1947
08051 2500 04 CY CSA	4 G 25(AWG4)	115A	1443.0	32.0	2591
08051 3500 03 CY CSA	3 G 35(AWG2)	140A	1501.0	34.0	2710
08051 3500 04 CY CSA	4 G 35(AWG2)	140A	1889.0	37.9	3277
08051 3500 05 CY CSA	5 G 35(AWG2)	140A	2532.0	41.7	4530
08051 5000 04 CY CSA	4 G 50(AWG1)	180A	2474.0	42.0	5960
08051 7000 04 CY CSA	4 G 70(AWG2/0)	210A	3120.0	47.4	4882
08051 9500 04 CY CSA	4 G 95(AWG3/0)	250A	4010.0	50.0	5540
08051 1200 04 CY CSA	4 G 120(AWG4/0)	292A	5012.0	56.6	8010

Other sizes are available on request