

ROUNDFLEX YY Multinorm / 2 – Norm

UL/CSA Approved 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)
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 - 4 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 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 03 CSA	3 G 0.5(AWG20)	10A	14.0	6.5	63
08051 0050 04 CSA	4 G 0.5(AWG20)	10A	19.0	7.0	69
08051 0050 05 CSA	5 G 0.5(AWG20)	10A	24.0	7.7	87
08051 0050 07 CSA	7 G 0.5(AWG20)	10A	34.0	9.5	119
08051 0050 12 CSA	12 G 0.5(AWG20)	10A	58.0	11.9	198
08051 0050 18 CSA	18 G 0.5(AWG20)	10A	86.0	13.9	266
08051 0050 25 CSA	25 G 0.5(AWG20)	10A	120.0	17.0	380
08051 0050 34 CSA	34 G 0.5(AWG20)	10A	163.0	19.4	508
08051 0075 03 CSA	3 G 0.75(AWG19)	13A	22.0	7.0	76
08051 0075 04 CSA	4 G 0.75(AWG19)	13A	29.0	7.7	85
08051 0075 05 CSA	5 G 0.75(AWG19)	13A	36.0	8.1	115
08051 0075 07 CSA	7 G 0.75(AWG19)	13A	50.0	10.6	144
08051 0075 12 CSA	12 G 0.75(AWG19)	13A	86.0	12.0	245
08051 0075 18 CSA	18 G 0.75(AWG19)	13A	130.0	14.4	327
08051 0075 25 CSA	25 G 0.75(AWG19)	13A	180.0	17.5	467
08051 0075 34 CSA	34 G 0.75(AWG19)	13A	245.0	21.2	626
08051 0100 03 CSA	3 G 1(AWG18)	16A	29.0	7.3	88
08051 0100 04 CSA	4 G 1(AWG18)	16A	39.0	8.1	99
08051 0100 05 CSA	5 G 1(AWG18)	16A	48.0	9.3	132
08051 0100 07 CSA	7 G 1(AWG18)	16A	67.0	10.9	170
08051 0100 12 CSA	12 G 1(AWG18)	16A	115.0	13.4	285
08051 0100 18 CSA	18 G 1(AWG18)	16A	173.0	16.2	405
08051 0100 25 CSA	25 G 1(AWG18)	16A	240.0	20.0	570
08051 0100 34 CSA	34 G 1(AWG18)	16A	326.0	22.1	742
08051 0150 03 CSA	3 G 1.5(AWG16)	20A	43.0	8.3	110
08051 0150 04 CSA	4 G 1.5(AWG16)	20A	58.0	9.6	141
08051 0150 05 CSA	5 G 1.5(AWG16)	20A	72.0	10.5	167
08051 0150 07 CSA	7 G 1.5(AWG16)	20A	101.0	13.0	225
08051 0150 12 CSA	12 G 1.5(AWG16)	20A	173.0	15.3	361
08051 0150 18 CSA	18 G 1.5(AWG16)	20A	259.0	18.5	518
08051 0150 25 CSA	25 G 1.5(AWG16)	20A	360.0	22.7	730
08051 0150 34 CSA	34 G 1.5(AWG16)	20A	490.0	25.3	945
08051 0150 50 CSA	50 G 1.5(AWG16)	20A	720.0	30.3	1381

Other sizes are available on request

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

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08051 0250 03 CSA	3 G 2.5(AWG14)	25A	72.0	9.7	169
08051 0250 04 CSA	4 G 2.5(AWG14)	25A	96.0	10.7	209
08051 0250 05 CSA	5 G 2.5(AWG14)	25A	120.0	12.0	256
08051 0250 07 CSA	7 G 2.5(AWG14)	25A	168.0	13.4	340
08051 0250 12 CSA	12 G 2.5(AWG14)	25A	288.0	17.9	579
08051 0250 18 CSA	18 G 2.5(AWG14)	25A	432.0	21.6	851
08051 0250 25 CSA	25 G 2.5(AWG14)	25A	600.0	26.3	1175
08051 0250 34 CSA	34 G 2.5(AWG14)	25A	816.0	28.4	1529
08051 0250 50 CSA	50 G 2.5(AWG14)	25A	1200.0	35.7	2290
08051 0400 03 CSA	3 G 4(AWG12)	36A	115.0	10.3	232
08051 0400 04 CSA	4 G 4(AWG12)	36A	154.0	11.2	298
08051 0400 05 CSA	5 G 4(AWG12)	36A	192.0	12.5	358
08051 0400 07 CSA	7 G 4(AWG12)	36A	269.0	13.8	460
08051 0600 03 CSA	3 G 6(AWG10)	45A	173.0	12.9	360
08051 0600 04 CSA	4 G 6(AWG10)	45A	231.0	14.2	402
08051 0600 05 CSA	5 G 6(AWG10)	45A	288.0	15.9	484
08051 0600 07 CSA	7 G 6(AWG10)	45A	403.0	19.4	539
08051 1000 03 CSA	3 G 10(AWG8)	64A	288.0	16.3	535
08051 1000 04 CSA	4 G 10(AWG8)	64A	384.0	17.9	653
08051 1000 05 CSA	5 G 10(AWG8)	64A	480.0	19.7	786
08051 1000 07 CSA	7 G 10(AWG8)	64A	672.0	21.7	1100
08051 1600 03 CSA	3 G 16(AWG6)	87A	461.0	19.8	810
08051 1600 04 CSA	4 G 16(AWG6)	87A	615.0	21.9	1045
08051 1600 05 CSA	5 G 16(AWG6)	87A	768.0	25.2	1260
08051 2500 03 CSA	3 G 25(AWG4)	115A	720.0	24.8	1180
08051 2500 04 CSA	4 G 25(AWG4)	115A	960.0	25.6	1501
08051 2500 05 CSA	5 G 25(AWG4)	115A	1200.0	28.8	1853
08051 3500 03 CSA	3 G 35(AWG2)	140A	1008.0	28.8	1590
08051 3500 04 CSA	4 G 35(AWG2)	140A	1344.0	29.5	2123
08051 3500 05 CSA	5 G 35(AWG2)	140A	1680.0	32.4	2612
08051 5000 04 CSA	4 G 50(AWG1)	180A	1920.0	35.7	2898
08051 7000 04 CSA	4 G 70(AWG2/O)	210A	2688.0	43.0	4052
08051 9500 04 CSA	4 G 95(AWG3/O)	250A	3648.0	47.2	5430
08051 1200 04 CSA	4 G 120(AWG4/O)	292A	4608.0	54.2	6290

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