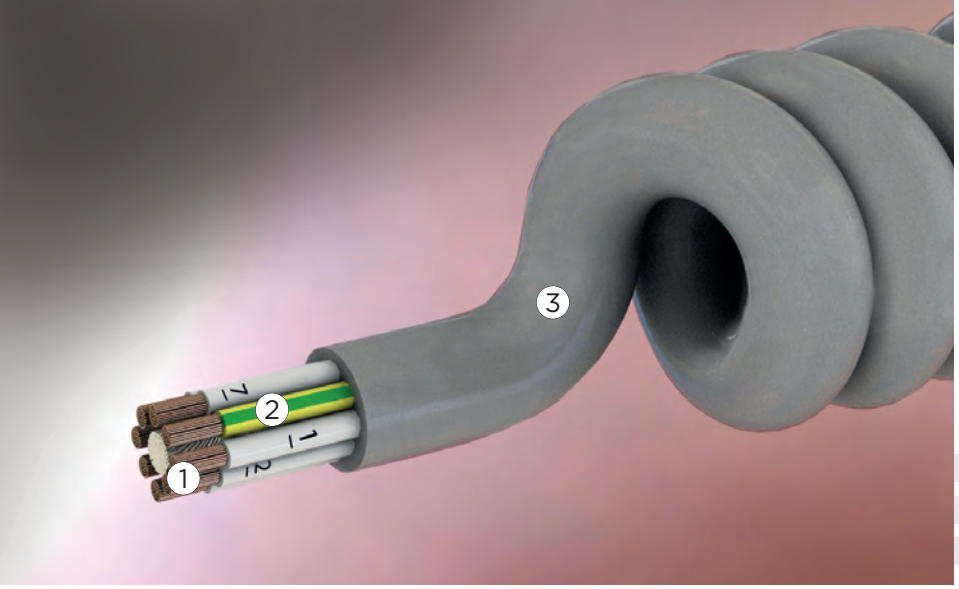
EXTENSIFLEX – R (Robotflex)

Semocore/PUR Spiral cable

Application
Extensiflex R spiral cables are suitable for the most arduous applications such as intensive use robots, electric doors, heavy duty machine, lifting ramps and drilling machines. They are suitable for indoor and outdoor use and will provide long service life in very high duty applications. These cables also feature exceptional reset qualities.

Construction	
Conductor :	Fine stranded plain copper according to VDE 0295 Class 6
Insulation:	Semocore (polyester base)
Core colour :	up to 0.34mm2 acc. To DIN 47100, from 0.50mm2 white cores
	with black numbers, from 3 cores with Green/Yellow
	earth conductor.
Core Arrangement :	Cores twisted around in concentric layers
Outer sheath :	Polyurethane with low adhesive properties
Sheath colour :	Grey RAL 7001
Imprint :	Roboschlepp
Working Environment	
Maximum operating temperature	–40 deg C – + 90 deg C
Environment :	suitable for use in dry & humid and wet areas and for
	outdoor use
Electrical properties	
Nominal voltage :	0.14 – 0.34mm2 – 350 V
	From 0.50mm2 – 300/500 V
Test Voltage :	up to 1.5mm2 – 2000 V
	2.5 – 4mm2 – 2500 V
	From 6mm2 – 3000 V
Additional information	
Closed spiral length :	3000mm Maximum
Extended Spiral Length :	up to 4 x closed length
Straight ends (tails) :	Standard ends 200mm / 200mm – straight ends available
	up to 25m
Oil Resistance :	acc. To VDE 0472 part 803 test type B
Halogen free :	Yes
Applied Standards	Similar to DIN VDE 0250



SIMBAL

1. Copper conductor
2. Semocore insulation
3. Polyurethane outer sheath

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Part No	Cross Section mm2	Current rating @ 30 deg	Inside diameter mandrel (mm)	Cable diameter (mm)	Outer diameter approx. (mm)
08077 0050 02	2 x 0.50	6A	10.0	4.5	19 – 25
08077 0050 03	3 G 0.50	6A	10.0	4.7	20 – 25
08077 0050 04	4 G 0.50	6A	12.0	5.3	22 – 27
08077 0050 05	5 G 0.50	6A	14.0	5.9	26 – 31
08077 0050 07	7 G 0.50	6A	14.0	6.9	28 – 33
08077 0050 12	12 G 0.50	6A	14.0	8.5	31 – 36
08077 0050 25	25 G 0.50	6A	16.0	11.5	39 – 44
08077 0075 03	3 G 0.75	13A	8.0	5.5	19 – 24
08077 0075 04	4 G 0.75	13A	10.0	6.0	22 – 27
08077 0075 05	5 G 0.75	13A	10.0	6.5	23 – 28
08077 0075 07	7 G 0.75	13A	12.0	7.6	27 – 32
08077 0075 12	12 G 0.75	13A	14.0	9.3	33 – 38
08077 0075 18	18 G 0.75	13A	14.0	10.8	36 – 41
08077 0075 25	25 G 0.75	13A	16.0	12.7	42 – 47
08077 0100 03	3 G 1	16A	10.0	6.0	22 – 27
08077 0100 04	4 G 1	16A	10.0	6.4	23 – 28
08077 0100 05	5 G 1	16A	10.0	7.0	24 – 29
08077 0100 07	7 G 1	16A	12.0	8.3	29 – 34
08077 0100 12	12 G 1	16A	16.0	10.2	37 – 42
08077 0100 18	18 G 1	16A	18.0	11.8	42 – 47
08077 0100 25	25 G 1	16A	24.0	14.0	52 – 57
08077 0150 02	2 x 1.5	20A	10.0	6.1	22 – 27
08077 0150 03	3 G 1.5	20A	10.0	6.4	23 – 28
08077 0150 04	4 G 1.5	20A	12.0	7.0	26 – 31
08077 0150 05	5 G 1.5	20A	12.0	7.6	27 – 32
08077 0150 07	7 G 1.5	20A	18.0	9.4	37 – 42
08077 0150 12	12 G 1.5	20A	18.0	11.0	40 – 45
08077 0150 18	18 G 1.5	20A	20.0	12.8	46 – 51
08077 0150 25	25 G 1.5	20A	28.0	15.2	59 – 64
08077 0250 03	3 G 2.5	30A	12.0	8.3	29 – 34
08077 0250 04	4 G 2.5	30A	12.0	9.1	30 – 35
08077 0250 05	5 G 2.5	30A	14.0	9.9	34 – 39
08077 0250 07	7 G 2.5	30A	18.0	11.7	42 – 47
08077 0250 12	12 G 2.5	30A	24.0	13.9	52 – 57