Robotics Cable

Construction 300/500V cables, flexible PVC insulated and polyurethane sheathed, PUR sheath flame retardant to test method B IEC 60332-1, copper conductors to DIN VDE 0295 class 6 and IEC 60228 class 6, flexing –30°C to 80°C, fixed –40°C to 80°C. Minimum bending radius 7.5 × cable o.d.

Application These special robotic power and control cables are specially designed for torsion and bending stresses found in robotic applications.

No. cores × cross-sec. mm²	Nominal diameter mm	Approx. mass kg/km	**Product code**
7 × 0.25	5.8	48	RCC7X0.25
25 × 0.25	10.4	143	RCC25X0.25
2 × 0.34	4.0	28	RCC2X0.34
3 × 0.34	4.0	34	RCC3X0.34
12 G 0.5	10.4	90	RCC12G0.5
18 G 0.5	12.7	121	RCC18G0.5
25 G 0.5	14.2	256	RCC25G0.5
4 G 0.75	6.0	63	RCC4G0.75
12 G 0.75	11.5	171	RCC12G0.75
14 G 0.75	12.8	200	RCC14G0.75
2 × 1	6.0	48	RCC2X1
3 G 1	6.0	60	RCC3G1
4 G 1	6.3	78	RCC4G1
7 G 1	8.5	131	RCC7G1
12 G 1	12.5	216	RCC12G1
18 G 1	15.4	306	RCC18G1
25 G 1	17.4	432	RCC25G1
34 G 1	21.3	569	RCC34G1
41 G 1	23.2	694	RCC41G1
12 G 1.5	15.5	356	RCC12G1.5
18 G 1.5	19.3	445	RCC18G1.5
25 G 1.5	21.8	636	RCC25G1.5
3 G 2.5	8.4	136	RCC3G2.5
4 G 2.5	9.1	170	RCC4G2.5
3 G 4	10.3	227	RCC3G4
3 G 10	15.6	518	RCC3G10
3 G 16	18.2	722	RCC3G16
3 G 25	22.9	1180	RCC3G25
3 G 35	26.5	1600	RCC3G35

No. cores × cross-sec. mm²	Nominal diameter mm	Approx. mass kg/km	**Product code**
12 × 0.14	7.8	95	RCY12X0.14
18 × 0.14	9.7	120	RCY18X0.14
25 × 0.14	10.9	158	RCY25X0.14
12 × 0.25	8.3	126	RCY12X0.25
18 × 0.25	10.1	164	RCY18X0.25
25 × 0.25	11.1	215	RCY25X0.25
12 × 0.34	8.8	160	RCY12X0.34
18 × 0.34	10.8	210	RCY18X0.34
25 × 0.34	12.1	305	RCY25X0.34
12 G 0.5	11.2	175	RCY12G0.5
18 G 0.5	13.6	231	RCY18G0.5
25 G 0.5	14.8	347	RCY25G0.75
12 G 0.75	11.8	220	RCY12G0.75
18 G 0.75	15.0	305	RCY18G0.75
25 G 0.75	16.6	415	RCY25G0.75
12 G 1	13.0	265	RCY12G1
18 G 1	16.1	390	RCY18G1
25 G 1	18.0	540	RCY25G1
12 G 1.5	16.2	345	RCY12G1.5
18 G 1.5	20.3	485	RCY18G1.5
25 G 1.5	22.5	710	RCY25G1.5

G = with green-yellow earth core.

X = without green-yellow earth core (OZ).

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