

# Extra Flexible Screened Robotic Cable

## Cable Application

Suitable for automated production processes where data transmission cables of high flexibility are required, also for use in drag chains and where the cable is exposed to fast and abrupt movements. The overall screen grants a protection against electro-magnetic interferences. The EF CY is extra flexible class 6 stranding with pvc outer sheath particularly suitable for Robotics applications.

## Technical Information

<b>Conductors:</b>	Super fine stranded plain copper
<b>Insulation:</b>	PVC core insulation, textile wrapping
<b>Bedding:</b>	PVC inner sheath
<b>Screening:</b>	Overall tinned copper wire braid
<b>Outer Sheath:</b>	Grey PVC, RAL7001
<b>Stranding:</b>	According to VDE 0295, class 6, IEC 60228
<b>Operating Voltage Rating:</b>	300/500V
<b>Temperature Range:</b>	-5°C to +70°C
<b>Bending Radius:</b>	10 x Ø

Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm maximum	Approximate weight kg/km	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm maximum	Approximate weight kg/km
26 G 1.0	20.2	625	26 G 1.0	20.2	625
34 G 1.0	22.1	787	34 G 1.0	22.1	787
41 G 1.0	23.8	918	41 G 1.0	23.8	918
50 G 1.0	26.1	1,120	50 G 1.0	26.1	1,120
65 G 1.0	29.2	1,398	65 G 1.0	29.2	1,398
2 x 1.5	8.9	117	2 x 1.5	8.9	117
3 G 1.5	9.5	139	3 G 1.5	9.5	139
4 G 1.5	10.4	169	4 G 1.5	10.4	169
5 G 1.5	11.5	201	5 G 1.5	11.5	201
7 G 1.5	13.3	262	7 G 1.5	13.3	262
12 G 1.5	15.8	404	12 G 1.5	15.8	404
16 G 1.5	17.5	503	16 G 1.5	17.5	503
18 G 1.5	18.5	560	18 G 1.5	18.5	560
25 G 1.5	22.5	793	25 G 1.5	22.5	793
26 G 1.5	22.5	811	26 G 1.5	22.5	811
34 G 1.5	24.5	1,005	34 G 1.5	24.5	1,005
42 G 1.5	26.8	1,210	42 G 1.5	26.8	1,210
50 G 1.5	29.0	1,439	50 G 1.5	29.0	1,439
61 G 1.5	31.8	1,707	61 G 1.5	31.8	1,707
3 G 2.5	11.4	207	3 G 2.5	11.4	207
4 G 2.5	12.4	247	4 G 2.5	12.4	247
5 G 2.5	13.8	307	5 G 2.5	13.8	307
7 G 2.5	16.5	418	7 G 2.5	16.5	418
3 G 4.0	13.0	285	3 G 4.0	13.0	285

Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm maximum	Copper weight kg/km	Approx. weight kg/km
5 G 6.0	17.7	410	596
4 G 10.0	20.2	521	842
5 G 10.0	22.2	714	995

Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm maximum	Copper weight kg/km	Approx. weight kg/km
4 G 16.0	23.2	780	1,173
5 G 16.0	26.1	1050	1,460