

SY Steel Wire Braid Cable

Cable Applications

Power control cable with galvanised steel wire braiding. Suitable for fixed installation or flexible applications. Used as measuring, checking and control cable in machine tool manufacturing, plant engineering, air conditioning systems, office equipment, data processing systems and on assembly lines and product lines. Can also be used as energy or connecting cable in dry and moist rooms to meet safety requirements. Due to the galvanised steel wire braiding, these cables can even be used under adverse operating conditions or when exposed to high mechanical strain.

Technical Information

Conductor:	Plain annealed copper conductor to IEC 60228 class 5
Earth Conductor:	Green/yellow in the outer layer
Insulation:	Black with continuous white figure imprint
Bedding:	PVC
Overall Screen:	Made of tinned steel wire braid
Outer Sheath:	Transparent PVC
Voltage:	300/500V
Temperature Range:	Flexible: -5°C to + 70°C • Static: -40°C to + 70°C
Bending Radius:	Flexing: 20 x Ø • Static: 6 x Ø

Size mm ²	Nominal overall diameter mm	Weight kg/mm	Size mm ²	Nominal overall diameter mm	Weight kg/mm
2 x 0.5	8.3	91	50 x 0.75	26.4	1,050
3 x 0.5	8.6	99	60 x 0.75	24.8	909
4 x 0.5	9.1	113	2 x 1.0	9.3	101
5 x 0.5	9.7	129	3 x 1.0	9.5	126
7 x 0.5	10.3	150	4 x 1.0	10.1	146
12 x 0.5	12.4	214	5 x 1.0	10.8	171
18 x 0.5	14.3	298	7 x 1.0	11.5	203
25 x 0.5	16.8	400	12 x 1.0	14.3	314
30 x 0.5	17.7	454	18 x 1.0	16.7	441
35 x 0.5	19.9	585	25 x 1.0	19.7	594
41 x 0.5	21.5	671	30 x 1.0	20.3	658
50 x 0.5	21.9	694	35 x 1.0	22.1	786
60 x 0.5	24.2	895	50 x 1.0	25.9	1,070
2 x 0.75	9.0	85	60 x 1.0	27.7	1,240
3 x 0.75	9.3	116	2 x 1.5	9.8	114
4 x 0.75	9.8	133	3 x 1.5	10.1	145
5 x 0.75	10.5	155	4 x 1.5	10.8	171
7 x 0.75	11.2	182	5 x 1.5	11.6	202
12 x 0.75	13.7	266	7 x 1.5	12.4	242
18 x 0.75	16.2	388	12 x 1.5	15.9	394
25 x 0.75	19.1	521	18 x 1.5	18.6	553
30 x 0.75	19.6	572	25 x 1.5	21.9	746
35 x 0.75	21.4	684	30 x 1.5	23.0	850



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Size mm ²	Nominal overall diameter mm	Weight kg/mm	Size mm ²	Nominal overall diameter mm	Weight kg/mm
35 x 1.5	24.6	990	2 x 6.0	15.4	316
50 x 1.5	29.2	1,380	3 x 6.0	16.2	407
60 x 1.5	30.8	1,570	4 x 6.0	17.9	508
2 x 2.5	11.0	143	5 x 6.0	19.4	617
3 x 2.5	11.4	193	7 x 6.0	21.4	789
4 x 2.5	12.3	232	2 x 10	18.9	467
5 x 2.5	13.2	277	3 x 10	20.1	621
7 x 2.5	14.4	353	4 x 10	21.9	779
12 x 2.5	18.8	575	5 x 10	24.3	978
18 x 2.5	22.0	818	7 x 10	26.5	1,250
25 x 2.5	26.2	1,130	3 x 16	23.8	857
30 x 2.5	27.5	1,290	4 x 16	25.5	1,040
35 x 2.5	29.8	1,540	5 x 16	28.6	1,300
50 x 2.5	34.7	2,060	3 x 25	25.5	1,110
60 x 2.5	36.6	2,350	4 x 25	27.2	1,350
2 x 4.0	13.8	240	5 x 25	31.3	1,740
3 x 4.0	14.8	312	5 x 35	36	3,185
4 x 4.0	15.8	384	4 x 50	34.09	2,689
5 x 4.0	17.5	478	4 x 70	44.8	3,583
7 x 4.0	18.8	587	4 x 95	47.8	4,935

For current ratings refer to IEE Regulations tables 4F3A and B pages 127 to 128.