



Type CY PVC Insulated, Screened and Sheathed Multicore Cables

Product Type:

Control Cable

Application:

CY control cable is suitable for use in a number of markets, such as engineering, building, construction, automation and process control. It is often found in installations such as assembly and production lines or process plant. Being screened it is particularly suited as an interconnecting cable where signal interference has been identified as an issue whilst its flexibility also enable use in non-fixed installations. The LSOH insulation and sheath enables the cable to be used where smoke and toxic gas emission could pose a hazard to life or equipment.

Standards:

Generally to BS6500 and VDE0250
REACH and RoHS compliant

Construction:

Conductor	Plain annealed copper conductors to EN60228, Class 5
Insulation	PVC insulation.
Core Id	Black with White numbers. (3 cores and above to include Green/Yellow).
Core	Cores layed-up.
Screen	Tinned copper wire braid
Sheath	PVC sheath; Grey

Technical Information:

Insulation resistance	>200MΩ.km
Voltage rating	300/500V
Temperature rating	-30°C to +70°C
Min Bend Radius	10 x nom diameter



Suppliers of Quality Assured Cables

Conductor / mm ²	Max conductor resistance / Ω /km
0.50	39.0
0.75	26.0
1.0	19.5
1.5	13.3
2.5	7.98
4.0	4.95
6.0	3.30
10.0	1.91



Suppliers of Quality Assured Cables

No. of Cores x Nominal Cross Sectional Area / mm²	Nominal Overall Diameter / mm	Nominal Weight kg/ Km
2 x 0.50	5.7	50
3 x 0.50	6.0	55
4 x 0.50	6.4	70
5 x 0.50	7.1	80
6 x 0.50	7.7	95
7 x 0.50	7.7	105
8 x 0.50	8.7	120
9 x 0.50	9.6	135
10 x 0.50	9.9	145
12 x 0.50	10.2	165
14 x 0.50	10.7	185
18 x 0.50	12.1	235
20 x 0.50	12.7	255
21 x 0.50	12.8	270
25 x 0.50	14.2	310
2 x 0.75	6.1	55
3 x 0.75	6.4	65
4 x 0.75	6.9	80
5 x 0.75	7.7	100
6 x 0.75	8.3	110
7 x 0.75	8.3	120
8 x 0.75	9.6	150
9 x 0.75	10.3	160
10 x 0.75	10.7	175
12 x 0.75	11.2	200
14 x 0.75	11.7	225
18 x 0.75	13.3	290
20 x 0.75	14.0	315
21 x 0.75	14.1	325
25 x 0.75	15.6	385
2 x 1.0	6.3	60
3 x 1.0	6.8	75
4 x 1.0	7.4	90
5 x 1.0	7.9	110
6 x 1.0	8.8	130
7 x 1.0	8.8	140
8 x 1.0	10.0	165
9 x 1.0	10.9	190
10 x 1.0	11.3	200
12 x 1.0	11.6	230
14 x 1.0	12.4	265
18 x 1.0	13.8	330
20 x 1.0	14.8	370
21 x 1.0	14.8	380
25 x 1.0	16.3	445



Suppliers of Quality Assured Cables

No. of Cores x Nominal Cross Sectional Area / mm²	Nominal Overall Diameter / mm	Nominal Weight kg/ Km
2 x 1.5	7.1	75
3 x 1.5	7.5	95
4 x 1.5	8.1	115
5 x 1.5	8.8	140
6 x 1.5	9.9	165
7 x 1.5	9.9	185
8 x 1.5	11.2	220
9 x 1.5	12.2	245
10 x 1.5	12.7	265
12 x 1.5	13.1	300
14 x 1.5	13.9	345
18 x 1.5	15.5	435
20 x 1.5	16.5	485
21 x 1.5	16.6	500
25 x 1.5	18.2	555
2 x 2.5	8.4	110
3 x 2.5	9.1	140
4 x 2.5	9.9	175
5 x 2.5	11.9	215
6 x 2.5	12.0	255
7 x 2.5	12.0	275
8 x 2.5	13.6	330
9 x 2.5	14.9	370
10 x 2.5	15.5	400
12 x 2.5	16.0	460
14 x 2.5	17.0	530
18 x 2.5	19.1	675
20 x 2.5	20.4	755
21 x 2.5	20.5	785
25 x 2.5	22.7	925
3 x 4.0	11.9	205
4 x 4.0	12.1	260
5 x 4.0	13.4	340
3 x 6.0	12.4	280
4 x 6.0	13.7	355
5 x 6.0	15.2	440
3 x 10.0	16.1	470
4 x 10.0	17.7	595