



Type YY LSOH Insulated and Sheathed Multicore Cables

Product Type:

Control Cable

Application:

YY control cable is suitable for use in a number of markets, such as engineering, building, construction, automation and process control. It is typically found in fixed installations such as assembly and production lines or process plant. Being quite flexible, it is widely used as an interconnecting cable for measuring, controlling or regulation in signal and control equipment. 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. Although designed for internal use, it can be used externally with the right protection.

Standards:

Generally to EN50525-1 and VDE0250
IEC60754-1
REACH and RoHS compliant

Construction:

Conductor	Plain annealed copper conductors to EN60228, Class 5
Insulation	LSOH insulation.
Core Id	Black with White numbers. (3 cores and above to include Green/Yellow).
Core	Cores layed-up.
Sheath	LSOH 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
Flammability	IEC60332-1-2



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	3.3
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	5.0	38
3 x 0.50	5.3	45
4 x 0.50	5.8	56
5 x 0.50	6.4	70
6 x 0.50	7.2	82
7 x 0.50	7.2	89
8 x 0.50	8.2	115
9 x 0.50	8.9	132
10 x 0.50	9.2	139
12 x 0.50	9.5	154
18 x 0.50	11.2	220
20 x 0.50	12.0	250
21 x 0.50	12.0	255
25 x 0.50	13.4	310
34 x 0.50	15.4	414
2 x 0.75	5.4	45
3 x 0.75	5.7	54
4 x 0.75	6.4	69
5 x 0.75	7.0	86
6 x 0.75	7.9	102
7 x 0.75	7.9	110
8 x 0.75	8.9	139
9 x 0.75	9.7	162
10 x 0.75	10.1	172
12 x 0.75	10.5	192
18 x 0.75	12.4	275
20 x 0.75	13.2	310
21 x 0.75	13.2	315
25 x 0.75	14.6	380
34 x 0.75	17.0	517
2 x 1.0	5.7	53
3 x 1.0	6.0	63
4 x 1.0	6.7	82
5 x 1.0	7.4	100
6 x 1.0	8.3	119
7 x 1.0	8.3	129
8 x 1.0	9.4	163
9 x 1.0	10.2	189
10 x 1.0	10.6	200
12 x 1.0	10.9	221
18 x 1.0	12.9	319
20 x 1.0	13.8	362
21 x 1.0	13.8	369
25 x 1.0	15.4	450
34 x 1.0	17.9	610



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	6.4	65
3 x 1.5	6.8	85
4 x 1.5	7.5	106
5 x 1.5	8.5	138
6 x 1.5	9.3	157
7 x 1.5	9.3	170
8 x 1.5	10.5	213
9 x 1.5	11.4	247
10 x 1.5	12.0	268
12 x 1.5	12.4	299
18 x 1.5	14.6	427
20 x 1.5	15.6	484
21 x 1.5	15.6	494
25 x 1.5	17.4	603
34 x 1.5	20.2	815
2 x 2.5	7.7	103
3 x 2.5	8.6	138
4 x 2.5	9.4	169
5 x 2.5	10.4	211
6 x 2.5	11.5	250
7 x 2.5	11.5	270
8 x 2.5	13.1	336
9 x 2.5	14.3	392
10 x 2.5	15.0	426
12 x 2.5	15.3	470
18 x 2.5	18.2	683
20 x 2.5	19.6	780
21 x 2.5	19.6	797
25 x 2.5	21.9	975
34 x 2.5	25.6	1329
3 x 4.0	10.3	204
4 x 4.0	11.4	256
5 x 4.0	12.7	322
3 x 6.0	11.8	282
4 x 6.0	13.2	362
5 x 6.0	14.7	452
3 x 10.0	15.2	477
4 x 10.0	17.6	641