3 Core + Earth

Nominal area of conductor	Nominal insulation thickness	Minimum inner sheath thickness	Nominal dia of armour wire	Minimum outer sheath thickness	Approximate overall dia of cable	Max. dc resistance of conductor at 200C	Current rating at 40°C ambient temperature
mm²	mm	mm	mm	mm	mm	ohms/km	Amps
1.5	0.7	0.3	1.4	1.24	16.0	12.1	23
2.5	0.7	0.3	1.4	1.24	17.0	7.41	30
4	0.7	0.3	1.4	1.24	18.0	4.61	41
6	0.7	0.3	1.4	1.24	19.5	3.08	52
10	0.7	0.3	1.4	1.40	22.0	1.83	70
16	0.7	0.3	4 X 0.80	1.40	21.5	1.15	89
25	0.9	0.3	4 X 0.80	1.40	25.0	0.727	119
35	0.9	0.3	4 X 0.80	1.40	27.5	0.524	147
50	1.0	0.3	4 X 0.80	1.56	31.0	0.387	179

*We can also supply 4 Core cables against orders.

Building Wires for High Rise Buildings

Polycab - 1100 V, Single core, Flexible copper conductor, lapped with two layers of glass mica tapes, Cross linked LSOH insulated fire survival cable generally conforming to BSEN 50525 and tested as per IEC 60331

Single Core

Nominal area of conductor	Conductor class	Nominal Insulation thickness	Approximate Overall dia of cable	Max. DC resistance of conductor at 20°C	Current rating at 40°C ambient temperature
mm²	mm	Type	mm	ohms/km	Amps
1	Class 5	0.7	3.5	19.5	13
1.5	Class 5	0.7	4.0	13.3	17
2.5	Class 5	0.8	4.5	7.98	23
4	Class 5	0.8	5.0	4.95	30
6	Class 5	0.8	5.5	3.30	39
10	Class 5	1.0	7.0	1.91	53
16	Class 5	1.0	8.0	1.21	70

Cables For High Rise Buildings