PVC insulated, PVC sheathed, single core, and flat twin, 3-core, 300/500 V

Application:
- internal wiring for power and lighting.

Standard:
- BS6004

Construction:
- Plain annealed copper conductor, class 1 & 2.
- PVC insulation, type TI 1.
- Parallel circuit protective bare conductor.
- PVC sheath type 6.

General specification:
- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Mean overall diameter	Circuit protective Nom.	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	mm^2	MΩ.km	kg/km	Ω/km
1 x1.0	1 x 1.13	0.6	0.9	4.5 x 5.7	1.0	0.011	40	18.1
1 x 1.5	1 x 1.38	0.7	0.9	5.1 x 6.4	1.0	0.011	49	12.1
1 x 1.5	7 x 0.52	0.7	0.9	5.1 x 6.4	1.0 [a]	0.011	48	12.1
2 x 1.0	1 x 1.13	0.6	0.9	4.3 x 7.9	1.0	0.011	68	18.1
2 x 1.5	1 x 1.38	0.7	0.9	4.9 x 8.9	1.0	0.011	86	12.1
2 x 1.5	7 x 0.52	0.7	0.9	5.0 x 8.0	---	0.011	80	12.1
2 x 1.5	7 x 0.52	0.7	0.9	5.0 x 9.4	1.0 [a]	0.011	88	12.1
2 x 2.5	1 x 1.78	0.8	1.0	5.6 x 10.5	1.5	0.010	128	7.41
2 x 2.5	7 x 0.67	0.8	1.0	5.8 x 9.4	---	0.010	112	7.41
2 x 2.5	7 x 0.67	0.8	1.0	5.6 x 10.8	1.5 [a]	0.010	128	7.41
2 x 4	7 x 0.85	0.8	1.0	6.3 x 11.7	1.5	0.0077	172	4.61
2 x 6	7 x 1.04	0.8	1.1	7.1 x 13.7	2.5	0.0065	238	3.08
2 x 10	7 x 1.35	1.0	1.2	8.6 x 17.2	4 [b]	0.0065	380	1.83
2 x 16	7 x 1.70	1.0	1.3	10.0 x 20.1	6 [b]	0.0052	550	1.15
3 x 1.0	1 x 1.13	0.6	0.9	4.4 x 10.3	1.0	0.011	90	18.1
3 x 1.5	1 x 1.38	0.7	0.9	4.9 x 11.4	1.0	0.011	116	12.1
3 x 2.5	1 x 1.78	0.8	1.0	5.6 x 13.4	1.0	0.010	173	7.41
3 x 4	7 x 0.85	0.8	1.1	6.5 x 16.2	1.5	0.0077	244	4.61
3 x 6	7 x 1.04	0.8	1.1	7.2 x 18.2	2.5	0.0065	328	3.08
3 x 10	7 x 1.35	1.0	1.2	8.6 x 22.2	4 [b]	0.0065	526	1.83
3 x 16	7 x 1.70	1.0	1.3	10.0 x 27.0	6 [b]	0.0052	764	1.15

[a]: class 1 conductor.
[b]: class 2 conductor.