

Product Specification

## PVC INSULATED, PVC SHEATHED CABLES (NON-ARMOURED)

### CONSTRUCTION

- CONDUCTOR** : Plain annealed copper conductor, class 2  
**INSULATION** : PVC compound, 70°C  
**COLOUR OF CORES** : Red or Black or (Brown or Blue)  
**SHEATH** : PVC compound, colour Black



**CU / PVC / PVC - 1 Core**

Nominal cross-sectional area	Construction, number / wire diameter	Thickness of insulation	Thickness of sheath	Approx. overall diameter	Approx. net weight
sq.mm	No./mm	mm	mm	mm	kg/km
<b>MS 2112-4 / MS 136 / BS 6004 300 / 500 V</b>					
1.0	1/1.13 *	0.6	0.8	4.2	27
1.25	3/0.73	0.7	0.8	4.6	33
1.5	1/1.38 *	0.7	0.8	4.4	36
1.5	7/0.53	0.7	0.8	4.6	38
2.5	7/0.67	0.8	0.8	5.2	51
4	7/0.85	0.8	0.9	5.9	76
6	7/1.04	0.8	0.9	6.6	100
10	7/1.35	1.0	0.9	7.8	155
16	7/1.70	1.0	1.0	9.0	225
25	7/2.14	1.2	1.1	10.7	340
35	19/1.53	1.2	1.1	11.8	430

\* Class 1 Conductor

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### CONSTRUCTION

- CONDUCTOR** : Plain annealed copper conductor, class 2  
**INSULATION** : PVC compound, 70°C  
**COLOUR OF CORES** : 1 core - Red or Black or (Brown or Blue)  
                               2 cores - Red and Black or (Brown and Blue)  
                               3 cores - Red, Yellow and Blue or (Brown, Black and Grey)  
                               4 cores - Red, Yellow, Blue and Black or (Brown, Black, Grey and Blue)  
**SHEATH** : PVC compound colour Black



**Cu / PVC / PVC - 1 Core**

Nominal cross-sectional area	Construction, number / wire diameter	Thickness of insulation	Thickness of sheath	Approx. overall diameter	Approx. net weight
sq.mm	No./mm	mm	mm	mm	kg/km
<b>MS 2100 / IEC 60502-1 600 / 1000 V</b>					
1.5	7/0.53	0.8	1.4	6.0	53
2.5	7/0.67	0.8	1.4	6.4	67
4	7/0.85	1.0	1.4	7.3	97
6	7/1.04	1.0	1.4	8.0	123
10	7/1.35	1.0	1.4	8.8	172
16	7/1.70	1.0	1.4	9.8	237
25	7/2.14	1.2	1.4	11.3	350
35	19/1.53	1.2	1.4	12.4	456
<b>MS 2100 / MS 274 / BS 6346 / IEC 60502-1 600 / 1000 V</b>					
50	19/1.78	1.4	1.4	13.8	605
70	19/2.14	1.4	1.4	15.6	830
95	19/2.52	1.6	1.5	17.6	1135
120	37/2.03	1.6	1.5	19.7	1380
150	37/2.25	1.8	1.6	21.7	1690
185	37/2.52	2.0	1.7	24.1	2110
240	61/2.25	2.2	1.8	27.0	2740
300	61/2.52	2.4	1.9	29.8	3410
400	61/2.85	2.6	2.0	33.5	4300
500	61/3.20	2.8	2.1	37.1	5385
630	61/3.63	2.8	2.2	41.8	6830
800	127/2.85	2.8	2.3	48.3	8413
1000	127/3.20	3.0	2.5	51.2	10545