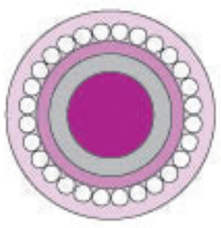
Product Specification

PVC INSULATED, PVC SHEATHED ARMOURED CABLES

CONSTRUCTION

CONDUCTOR : Plain annealed copper conductor, class 2
INSULATION : PVC compound, 70°C
COLOUR OF CORES : 1 core - Red, Black or (Brown, 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)
BEDDING : PVC Compound, colour Black
ARMOUR : Single core - Aluminium wire
: 2, 3 or 4 cores - Galvanized steel wire
SHEATH : PVC Compound, colour Black



Cu / Pvc / Awa / Pvc - 1 Core

Nominal cross-section area	Construction, number / wire diameter	Thickness of Insulation	Thickness of bedding	Diameter of aluminium wire	Thickness of sheath	Approx. overall diameter	Approx. net weight
sq.mm	No./mm	mm	mm	mm	mm	mm	kg/km
			MS 274 / BS 6346				
			600 / 1000 V				
50	19/1.78	1.4	0.8	1.25	1.5	18.1	845
70	19/2.14	1.4	0.8	1.25	1.6	20.1	1085
95	19/2.52	1.6	0.8	1.25	1.6	21.9	1400
120	37/2.03	1.6	1.0	1.6	1.7	25.3	1790
150	37/2.25	1.8	1.0	1.6	1.7	27.1	2100
185	37/2.52	2.0	1.0	1.6	1.8	29.5	2550
240	61/2.25	2.2	1.0	1.6	1.9	32.4	3260
300	61/2.52	2.4	1.0	1.6	1.9	35.0	3980
400	61/2.85	2.6	1.2	2.0	2.1	40.1	5100
500	61/3.20	2.8	1.2	2.0	2.1	43.6	6220
630	61/3.63	2.8	1.2	2.0	2.2	48.2	7730
800	127/2.85	2.8	1.4	2.5	2.4	53.3	9890
1000	127/3.20	3.0	1.4	2.5	2.5	59.0	12180
			MS 2101 / IEC 60502-1				
			600 / 1000 V				
50	19/1.78	1.4	1.0	1.25	1.8	19.1	888
70	19/2.14	1.4	1.0	1.25	1.8	20.9	1100
95	19/2.52	1.6	1.0	1.25	1.8	22.7	1440
120	37/2.03	1.6	1.0	1.6	1.8	25.5	1860
150	37/2.25	1.8	1.0	1.6	1.8	27.3	2110
185	37/2.52	2.0	1.0	1.6	1.8	29.5	2550
240	61/2.25	2.2	1.0	1.6	1.9	32.4	3260
300	61/2.52	2.4	1.0	2.0	2.0	36.0	4070
400	61/2.85	2.6	1.2	2.0	2.1	40.1	5100
500	61/3.20	2.8	1.2	2.0	2.2	43.8	6240
630	61/3.63	2.8	1.2	2.0	2.4	48.6	7770
800	127/2.85	2.8	1.4	2.5	2.5	53.5	9910
1000	127/3.20	3.0	1.4	2 5	2.7	59.4	12230