

## FLAT PVC INSULATED AND SHEATHED COPPER CABLES 300/500V

**SPECIFICATION:** BS 6004

**TYPE :** NCYY - F

**IDENTIFICATION:**  
 N: Standard cable type  
 C: Copper conductor  
 Y: PVC Insulation  
 Y: PVC Sheath  
 F: Flat Wiring Cable

**APPLICATION:** For use in housing, offices and general installation to be fixed on surface.

NOMINAL CROSS SECTION mm <sup>2</sup>	NUMBER OF NOMINAL DIAMETER OF WIRES mm	RADIAL THICKNESS OF INSULATION mm	RADIAL THICKNESS OF SHEATH mm	APPRO X OVERALL DIAMETER UPPERLIMIT mm	APPRO X NET WEIGHT kg/km	STANDARD PACKING	D.C. RESISTANCE AT 20°C (1) S/km	CURRENT CARRYING CAPACITY (2) AMP
2 x 1.0	1/1.13	0.6	0.9	6.6 x 4.2	55	C	18.1	17
2 x 1.5	1/1.38	0.7	0.9	7.5 x 4.7	75	C	12.1	22
2 x 2.5	1/1.78	0.8	1.0	8.9 x 5.5	110	C	7.41	30
2 x 4	1/2.25	0.8	1.0	10.5 x 6.3	150	C	4.61	40
2 x 6	1/2.76	0.8	1.1	11.8 x 7.1	205	C	3.08	51
2 x 10	7/1.35	1.0	1.2	14.7 x 8.7	325	D	1.83	70
2 x 16	7/1.70	1.0	1.3	17.1 x 10.0	465	D	1.15	94
3 x 1.0	1/1.13	0.6	0.9	8.9 x 4.3	80	C	18.1	14
3 x 1.5	1/1.38	0.7	0.9	10.3 x 4.7	105	C	12.1	19
3 x 2.5	1/1.78	0.8	1.0	12.3 x 5.6	150	C	7.41	25
3 x 4	7/0.85	0.8	1.1	14.9 x 6.6	230	C	4.61	34
3 x 6	7/1.04	0.8	1.1	16.6 x 7.2	300	C	3.08	43
3 x 10	7/1.35	1.0	1.2	20.9 x 8.8	485	D	1.83	60
3 x 16	7/1.70	1.0	1.3	24.3 x 10.1	700	D	1.15	80

### Solid copper conductor up to 6mm<sup>2</sup>

Different cross sections also available.

Standard Packing - C: Coils of 100m  
 D: Drums 500 or 1000m

- At different operating T°C) :  $R = R_{20°C} [1 + a (T°C - 20)]$   
 a: Temperature coefficient at 20°C = 0.00393 for copper  
 0.00403 for aluminium
- Ambient Temperature : 30°C