

## FLEXIBLE CABLES, PVC INSULATED AND SHEATHED 500 V

**SPECIFICATION:** BS 6500:1984

**TYPE:** NCYY – R..f (227 IEC 53 and or H05VVF to HD 21.5S2)

**IDENTIFICATION:**  
 N: Standard cable type  
 C: Copper conductor  
 Y: PVC Insulation  
 R ..f: Round and flexible cord

**APPLICATION:** Use in light fittings, office machines and other indoor electrical installation.

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DIAMETER OF CONDUCTOR WIRES mm	RADIAL THICKNESS OF INSULATION mm	RADIAL THICKNESS OF SHEATH mm	MAXIMUM OVERALL DIAMETER mm	APPROX. NET WEIGHT Kg/km	STANDARD PACKING	D.C. Resistance at 20°C (1) S/km	CURRENT CARRYING CAPACITY (2) AMP.
3 x 6	0.31	0.8	1.3	14.8	375	D	3.30	43
3 x 10	0.41	1.0	1.6	18.5	610	D	1.91	60
3 x 16	0.41	1.0	1.9	21.7	875	D	1.21	80
3 x 25	0.41	1.2	2.1	26.1	1320	D	0.780	101
3 x 35	0.41	1.2	2.3	29.8	1720	D	0.554	126
4 x 6	0.31	0.8	1.4	16.3	470	D	3.30	43
4 x 10	0.41	1.0	1.7	20.4	760	D	1.91	60
4 x 16	0.41	1.0	2.0	24.1	1100	D	1.21	80
4 x 25	0.41	1.2	2.3	29.2	1670	D	0.780	101
4 x 35	0.41	1.2	2.6	33.4	2195	D	0.554	126
5 x 6	0.31	0.8	1.5	17.8	575	D	3.30	43
5 x 10	0.41	1.0	2.0	23.1	950	D	1.91	60
5 x 16	0.41	1.0	2.2	26.8	1355	D	1.21	80
5 x 25	0.41	1.2	2.6	32.8	2075	D	0.780	101
5 x 35	0.41	1.2	2.8	37.1	2700	D	0.554	126

Standard Packing - D: Drums 500 or 1000m

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

Greater sizes according to other specifications are also available.