

Product Series Code: 3000

## APPLICATION

Lightweight cable suitable for usage in homes, kitchens, and businesses, used to supply household machines subjected to very low mechanical stresses.



## CONSTRUCTION

### Conductor

- Class 5 flexible copper conductor
- Shape: Circular, fine annealed copper

### Insulation

PVC

### Outer sheath

PVC

### Jacketing color

- White  White  
 Black  Red

### Marking

- Coil/Drum: from 0.5 mm<sup>2</sup> to 35 mm<sup>2</sup>
- Drum: >35 mm<sup>2</sup>

## TECHNICAL CHARACTERISTICS



### Voltage Rating (U0/U):

- 300/500 V
- Test voltage: 2Kv



Max continuous operating Temp: 70°C

Max short circuit temperature: 150°C

Cable operating Temp Range: -15°C to +55°C



### Minimum Bending Radius Fixed:

- Single Core: 7.5 x overall diameter
- Multicore: 4 x overall diameter

## STANDARDS

- IEC 60227
- Conductor acc. to IEC 60228
- In case of flame retardant/LSZH ,
- IEC/EN 60332-1-2
- EN 50525-2-31
- DIN VDE 0250

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#### Dimensional Characteristics

No. of wires	Section (mm <sup>2</sup> )	Conductor diameter (mm)	Insulation thickness (mm)	Overall diameter (mm)	Approx weight (kg/km ±3%)	Approx coil weight 100 yards
2	0.5	0.9	0.8	2.5/5.1	22.8	2.1
2	0.75	1.1	0.8	2.7/5.4	28.9	2.6
2	1	1.4	0.8	3/6.1	35.8	3.3
2	1.5	1.5	0.8	3.1/6.5	45.5	4.1
2	2	1.8	0.8	3.4/6.9	56.9	5.2
2	2.5	2	0.8	3.6/7.1	67.4	6.1

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### Electrical & Mechanical Characteristics

No. of wires	Section (mm <sup>2</sup> )	Electrical resistance at 20°C (Ω/km)	Current carrying capacity (A)	Voltage drop cosl=0.8 (V/A/Km)
2	0.5	39	10	1.5
2	0.75	26	13.5	1.5
2	1	19.5	16	1.5
2	1.5	13.3	22	1.5
2	2	9.5	32	1.5
2	2.5	7.98	38	1.5