



## Multi Core Flexible Cable with PVC Insulated and PVC Sheathed

### Cu/PVC/PVC

**Code:** NYMHY , H05VV-F

**Rated voltage :** 300/500 V

**Reference standard :** ISIRI (607) 53 , 60227 IEC 53 , BS 6500 , VDE 0250

**Application :** For the connection of lighting, kitchen appliances, domestic, office appliances, at low mechanical stresses. Not for the connection of heating appliances in connection with the hot parts. For use in dry and damp locations

### Construction :

- 1- Conductor : Fine stranded plain annealed copper acc. to IEC 60228 or ISIRI 3084 or VDE 0295 , class 5 .
- 2- Insulation : PVC /D , PVC/YI2 , PVC/TI2
- 3- Color of insulation : As request
- 4- Protective conductor : Green/Yellow (if any)
- 5- Assembly : Cores twisted together ,(with filler if necessary)
- 6- Outer sheath : PVC/ST5 , PVC/YM2 , PVC/TM2

### Technical Specification :

- 1- Max. conductor temperature : 70 °C
- 2- Conductor resistant : Refer to table (1)
- 3- Test voltage : 1500 , 2000 V ac , for 5 min.
- 4- Current carrying capacity : refer to table (2)
- 5- Bending radius : Refer to table (3)
- 6- Permissible short circuit temperature : 160 °C
- 7- Flame retardant : ac. to IEC 60332-1



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Size mm <sup>2</sup>	Insulation thickness (mm)	Sheath thickness (mm)	Overall dia. approx. (mm)		Weight approx. (Kg/Km)
			Min	Max	
2 × 0.5	0.6	0.7	5.2	6.5	50
2 × 0.75	0.6	0.8	5.7	7.2	61
2 × 1	0.6	0.8	5.9	7.5	70
2 × 1.5	0.7	0.8	6.8	8.6	91
2 × 2.5	0.8	1.0	8.4	10.6	138
3 × 0.5	0.6	0.7	5.5	6.9	60
3 × 0.75	0.6	0.8	6	7.6	72
3 × 1	0.6	0.8	6.3	8	84
3 × 1.5	0.7	0.9	7.4	9.4	112
3 × 2.5	0.8	1.1	9.2	11.4	172
4 × 0.5	0.6	0.8	6	7.6	73
4 × 0.75	0.6	0.8	6.6	8.3	90
4 × 1	0.6	0.9	7.1	9	104
4 × 1.5	0.7	1.0	8.4	10.5	142
4 × 2.5	0.8	1.1	10.1	12.5	210
5 × 0.5	0.6	0.8	6.8	8.5	84
5 × 0.75	0.6	0.9	7.4	9.3	110
5 × 1	0.6	0.9	7.8	9.8	130
5 × 1.5	0.7	1.1	9.3	11.6	180
5 × 2.5	0.8	1.2	11.2	13.9	265

\*The above data is approximate and subject to manufacturing tolerances

