

# 0.6/1kV

## Flame retardant PVC Insulated Grounding Wire (0.6/1kV TFR-GV)

### SCOPE

This wire is used for grounding of electric apparatus.

### APPLICATION STANDARDS

**IEC 60502-1** Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV)

Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3.6 kV)

**IEC 60332-3-24** Tests on electric cables under fire conditions - Part 3-24 : Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C

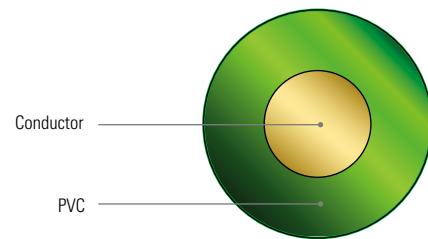
### MATERIALS & CONSTRUCTION

**Conductor** Annealed copper wires Class 2 (Circular stranded or Compacted circular stranded type)

**Insulation** Flame retardant PVC (FR-PVC)

### COLOR

Green or Green/Yellow



### 0.6/1kV CU/PVC

Size	Conductor		Thick. of Insulation (nom.)	Overall Diameter (approx.)	Max. D.C Conductor Resistance (20°C)	A.C Test Voltage	Net Weight (approx.)
	Construction	Outer Dia. (approx.)					
mm <sup>2</sup>	Nos./mm	mm	mm	mm	Ω/km	V/5min.	kg/km
1.5	7/0.53	1.59	2.2	7	12.1	3500	61
2.5	7/0.67	2.01	2.2	7	7.41	3500	75
4	7/0.85	2.55	2.4	9	4.61	3500	105
6	7/1.04	3.12	2.4	9	3.08	3500	132
10	7/1.35	4.05	2.4	10	1.83	3500	184
16	C.C	4.7	2.4	11	1.15	3500	240
25	C.C	5.9	2.6	12	0.727	3500	352
35	C.C	6.9	2.6	14	0.524	3500	455
50	C.C	8.1	2.8	15	0.387	3500	600
70	C.C	9.8	2.8	17	0.268	3500	816
95	C.C	11.4	3.1	19	0.193	3500	1114
120	C.C	12.9	3.1	21	0.153	3500	1367
150	C.C	14.4	3.4	23	0.124	3500	1684
185	C.C	15.9	3.7	25	0.0991	3500	2087
240	C.C	18.3	4.0	29	0.0754	3500	2708
300	C.C	20.5	4.3	31	0.0601	3500	3376
400	C.C	23.2	4.6	35	0.0470	3500	4270
500	C.C	26.4	4.9	39	0.0366	3500	5433
630	C.C	30.2	5.0	43	0.0283	3500	6905

Note) C.C : Compacted circular stranded type