



## **FROR 300/500-V**

### **Reference standards**

CEI 20 - 22 II  
CEI 20 - 20/1  
CEI 20 - 37/2 II ed.  
CEI EN 60332-1-2  
CEI EN 50267-2-1  
2011/65/CE  
2006/95/CE  
2002/95/CE

### **Cable description**

Multicore flexible cables for dynamic applications, PVC insulated with PVC sheathing, flame retardant and low emission of corrosive gases.

### **Conductor**

Annealed red copper with flexible round cord

### **Core isolation**

Polyvinyl chloride (PVC) TI2 quality

### **Core colour**

Black (numbered cores in white ink)

### **Sheath**

Polyvinyl chloride (PVC) sheathing type TM2

### **Sheath colour**

Grey RAL 7035

### **Labeling**

Stamping on insulation every 1 m

### **Technical specifications**

Resistant to mechanical stress and chemicals. Good behaviour at low temperatures and good flexibility.

**Rated voltage: Uo/U:** 300/500 V

**Maximum operating temperature:** 70° C

**Minimum operating temperature:** -15° C

**Maximum short circuit temperature:** 160° C

### **Installation conditions**

**Minimum laying temperature:** 0°C

**Recommended minimum bending radius:** 10 times the cable diameter for mobile laying, 4 times for fixed laying.

**Maximum recommended tensile stress:** 15 N/mm<sup>2</sup> of copper section for mobile laying, 50 N/mm<sup>2</sup> for fixed laying.

### **Packaging**

- Hanks 100 metres
- Wooden reel

### **Applications**

Cables suitable for installation and mobile equipment in places with a fire hazard. The installation is foreseen inside normal or humid environments and temporarily outside.

Installation in recessed and underground locations is not possible, even if protected.

<b>Conductor number N</b>	<b>Nominal Section</b>	<b>Indicative conductor diameter</b>	<b>Average thickness Insulation</b>	<b>Maximum outer diameter</b>	<b>Indicative weight</b>	<b>Electrical resistance at 20° C. Maximum <math>\Omega</math>/Km</b>
7G	1	1,3	0,6	11,1	151	19,5
	1,5	1,5	0,7	13,1	215	13,3
10G	1	1,3	0,6	14,3	220	19,5
	1,5	1,5	0,7	16,7	305	13,3
12G	1	1,3	0,6	14,8	250	19,5
	1,5	1,5	0,7	17,5	345	13,3
16G	1	1,3	0,6	16,5	330	19,5
	1,5	1,5	0,7	19,4	455	13,3
19G	1	1,3	0,6	17,7	385	19,5
	1,5	1,5	0,7	20,5	520	13,3
24G	1	1,3	0,6	20,7	485	19,5
	1,5	1,5	0,7	24,3	675	13,3
27G	1	1,3	0,6	21,4	600	19,5
	1,5	1,5	0,7	25	720	13,3