



## FROR - 300/500V and 450/750V

### Application and Description

These flexible cables insulated with Standard and Approval-quality PVC plus a heavyweight PVC sheath, they are suitable for connections and movable equipment, even in places of public show and entertainment. Can be installed inside, in dry or humid environments (AD2), and for temporary use outside and not permissible under the laying plaster or underground, even if protected.

### Standard and Approval

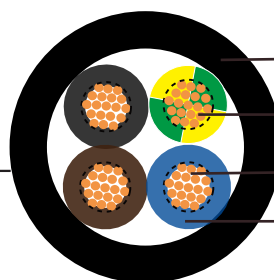
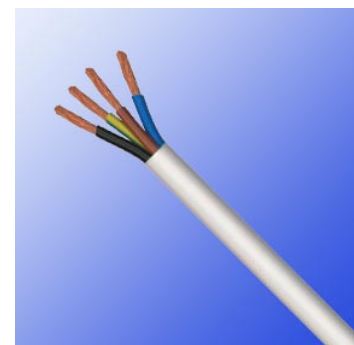
CEI 20-22/2 , CEI 20-34, CEI 20-37, CEI 20-20/1/2, EN 50265, HD 21.5 Sez. 3, IEC 60332-3,  
Low Voltage directive 2006/95/EC, ROHS directive 2002/95/EC

### Cable Construction

- Fine bare copper strands
- Strands to IEC 60228 class 5
- PVC core insulation TI2 to IEC 60502
- Color codes to HD-308 or EN50334
- Green-yellow grounding, 3 conductors and above
- PVC outer jacket TM 2 - Black (RAL 9005), Gray(RAL7001/7035)

### Technical Characteristics

- Working Voltage: 300/500 volts, 450/750 volts
- Test voltage: 2500 volts
- Flexing bending radius:  $10 \times \varnothing$
- Static bending radius:  $4 \times \varnothing$
- Flexing Temperature:  $-15^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Fixed Temperature:  $0^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Short-circuit temperature:  $160^{\circ} \text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $20 \text{ M}\Omega \times \text{km}$



- PVC outer jacket
- Green/Yellow wire
- Bare copper conductor
- PVC insulation

FROR-450/750V



### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
FROR300/500					
18(24/32)	7 x 1	0.6	1.0	11.1	151
18(24/32)	10 x 1	0.6	1.2	14.3	220
18(24/32)	12 x 1	0.6	1.2	14.8	250
18(24/32)	16 x 1	0.6	1.3	16.5	330
18(24/32)	19 x 1	0.6	1.4	17.7	385
18(24/32)	24 x 1	0.6	1.5	20.7	485
18(24/32)	27 x 1	0.6	1.6	21.4	600
16(30/30)	7 x 1.5	0.7	1.2	13.1	215
16(30/30)	10 x 1.5	0.7	1.3	16.7	305
16(30/30)	12 x 1.5	0.7	1.4	17.5	345
16(30/30)	16 x 1.5	0.7	1.5	19.4	455
16(30/30)	19 x 1.5	0.7	1.6	20.5	520
16(30/30)	24 x 1.5	0.7	1.7	24.3	675
16(30/30)	27 x 1.5	0.7	1.8	25	720
FROR450/750					
18(24/32)	2 x 1	0,7	1.0	8,7	74
18(24/32)	3 x 1	0,7	1,0	9,1	88
18(24/32)	4 x 1	0,7	1.0	9,9	105
18(24/32)	5 x 1	0,7	1,1	11,1	135
16(30/30)	2 x 1,5	0,7	1,0	9,2	89
16(30/30)	3 x 1,5	0,7	1,0	9,8	108
16(30/30)	4 x 1,5	0,7	1,1	10,9	133
16(30/30)	5 x 1,5	0,7	1,2	12	167
14(50/30)	2 x 2,5	0,8	1,2	11,2	134
14(50/30)	3 x 2,5	0,8	1,2	11,9	163
14(50/30)	4 x 2,5	0,8	1,2	12,9	200
14(50/30)	5 x 2,5	0,8	1,3	14,3	252
12(56/28)	2 x 4	0,8	1,2	12,5	178
12(56/28)	3 x 4	0,8	1,3	13,5	227
12(56/28)	4 x 4	0,8	1,3	14,7	278
12(56/28)	5 x 4	0,8	1,5	16,5	351
10(84/28)	2 x 6	0,8	1,3	13,9	242
10(84/28)	3 x 6	0,8	1,4	14,9	305
10(84/28)	4 x 6	0,8	1,4	16,3	375
10(84/28)	5 x 6	0,8	1,5	18	476