



## FR2OH1R/FR2OH2R

### Application and Description

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These cables are suitable for connections and movable equipments where performances and entertainments take place. Can be laid inside, even in dry or wet environments or outside but only for a temperature or any use. The main feature of these cables is its protection against electromagnetic interference thanks to the copper braid. Can be lay under plaster or directly buried, even if protected, is not allowed.

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### Standard and Approval

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CEI 20-11, CEI 20-22/2, CEI 20-29, CEI 20-34, CEI 20-35 (EN60332-1), CEI 20-37 pt.2 (EN50267), CEI20-52

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### Cable Construction

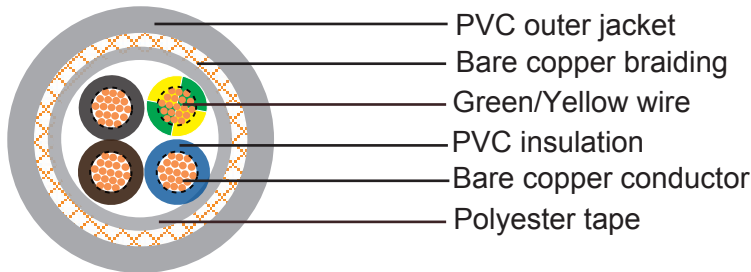
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- Flexible bare copper strands
  - Strands to VDE-0295 Class-5, IEC 60228 Class-5, CEI 20-29 Class-5,
  - PVC Insulation compound type R2 according to CEI 20-11
  - Color code according to DIN 47100 (up to 0.75 mm<sup>2</sup> ), or Unel 0722 (from 1.0 mm<sup>2</sup>)
  - Polyester Tape
  - Bare copper tape (for FR2OH1R)
  - Bare copper wires braiding with coverage 75%±5% (for FR2OH2R)
  - PVC outer sheath compound type TM2 / Rz according to CEI 20-11
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### Technical Characteristics

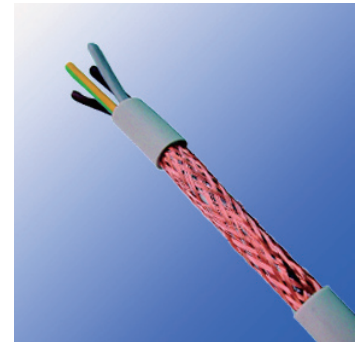
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- Working voltage: 300/500V (up to 0.75 mm<sup>2</sup> ) 450/750V (from 1.0 mm<sup>2</sup>)
  - Test voltage: 2000V (300/500V) / 2500V (450/750V)
  - Flexing bending radius: 10 x Ø
  - Static bending radius: 6 x Ø
  - Flexing temperature: 0° C to +70° C
  - Static temperature: -15° C to +70° C
  - Flame retardant: VDE 0472 part 804, test method B, and IEC 60332.1
  - Insulation resistance: 10 MΩ x km
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## Italian Standard



FR2OH2R



FR2OH2R

## Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km	AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km
21(11/32)	2 x 0.35	4.9	33	17(32/32)	5 x 1	8.0	107
21(11/32)	3 x 0.35	5.2	40	17(32/32)	5 G.1	8.0	107
21(11/32)	4 x 0.35	5.6	48	17(32/32)	6 x 1	8.7	128
21(11/32)	5 x 0.35	6.1	59	17(32/32)	7 G.1	8.7	134
21(11/32)	6 x 0.35	6.7	71	17(32/32)	8 G.1	9.6	160
21(11/32)	8 x 0.35	7.3	85	17(32/32)	10 G.1	11.6	210
21(11/32)	10 x 0.35	8.7	110	17(32/32)	12 G.1	11.6	222
21(11/32)	12 x 0.35	8.7	115	17(32/32)	16 G.1	12.9	288
20(16/32)	1 x 0.5	3.2	19	17(32/32)	19 G.1	13.8	342
20(16/32)	2 x 0.5	5.1	37	17(32/32)	25 G.1	16.6	454
20(16/32)	3 x 0.5	5.4	44	17(32/32)	34 G.1	18.7	597
20(16/32)	3 G.0.5	5.4	44	17(32/32)	41 G.1	20.4	700
20(16/32)	4 x 0.5	5.9	55	17(32/32)	50 G.1	22.1	825
20(16/32)	4 G.0.5	5.9	55	17(32/32)	65 G.1	25.2	1080
20(16/32)	5 x 0.5	6.4	67	16(30/30)	2 x 1.50	7.5	77
20(16/32)	6 x 0.5	7.0	80	16(30/30)	3 x 1.50	8.0	100
20(16/32)	7 x 0.5	7.0	83	16(30/30)	3 G.1.50	8.0	100
20(16/32)	8 x 0.5	7.7	99	16(30/30)	4 x 1.50	8.7	123
20(16/32)	10 x 0.5	9.2	127	16(30/30)	4 G.1.50	8.7	123
20(16/32)	12 x 0.5	9.2	134	16(30/30)	5 x 1.50	9.6	153
20(16/32)	16 x 0.5	10.2	176	16(30/30)	5 G.1.50	9.6	153
20(16/32)	19 G.0.5	10.8	198	16(30/30)	6 x 1.50	10.5	185
20(16/32)	24 x 0.5	13.1	273	16(30/30)	7 G.1.50	10,5	194
20(16/32)	25 G.0.5	13.1	277	16(30/30)	8 G.1.50	11.6	230
20(16/32)	37 G.0.5	14.6	365	16(30/30)	10 G.1.50	14.1	309
20(16/32)	41 G.0.5	15.9	412	16(30/30)	12 G.1.50	14.1	327
20(16/32)	50 G.0.5	17.2	485	16(30/30)	16 G.1.50	15.8	429
20(16/32)	65 G.0.5	19.6	620	16(30/30)	19 G.1.50	16.7	483
18(24/32)	1 x 0.75	3.6	25	16(30/30)	25 G.1.50	20.2	660



18(24/32)	2 x 0.75	5.8	49	16(30/30)	34 G.1.50	22.7	865
18(24/32)	3 x 0.75	6.2	61	16(30/30)	41 G.1.50	24.8	1014
18(24/32)	3 G.0.75	6.2	61	16(30/30)	50 G.1.50	27.0	1208
18(24/32)	4 x 0.75	6.7	74	16(30/30)	65 G.1.50	30.8	1569
18(24/32)	4 G.0.75	6.7	74	14(50/30)	2 x 2.5	8.9	111
18(24/32)	5 x 0.75	7.4	92	14(50/30)	3 x 2.5	9.5	145
18(24/32)	6 x 0.75	8.0	108	14(50/30)	3 G.2.5	9.5	145
18(24/32)	7 x 0.75	8.0	113	14(50/30)	4 x 2.5	10.4	183
18(24/32)	8 x 0.75	8.9	133	14(50/30)	4 G.2.5	10.4	183
18(24/32)	10 x 0.75	10.6	175	14(50/30)	5 G.2.5	11.5	226
18(24/32)	12 x 0.75	10.6	185	14(50/30)	7 G.2.5	12.6	288
18(24/32)	16 G.0.75	11.8	239	14(50/30)	8 G.2.5	14.1	353
18(24/32)	19 G.0.75	12.5	270	14(50/30)	12 G.2.5	17.0	490
18(24/32)	25 G.0.75	15.2	377	14(50/30)	16 G.2.5	19.1	651
18(24/32)	37 G.0.75	17.0	507	14(50/30)	25 G.2.5	24.5	1006
18(24/32)	41 G.0.75	18.6	576	12(56/28)	2 x 4	11.2	172
18(24/32)	50 G.0.75	20.2	678	12(56/28)	3 G.4	12.0	226
18(24/32)	65 G.0.75	23.0	985	12(56/28)	4 G.4	13.2	286
17(32/32)	1 x 1	3.8	28	12(56/28)	5 G.4	14.7	368
17(32/32)	2 x 1	6.3	57	10(84/28)	2 x 6	12.6	226
17(32/32)	3 x 1	6.7	71	10(84/28)	3 G.6	13.6	311
17(32/32)	3 G.1	6.7	71	10(84/28)	4 G.6	15.0	396
17(32/32)	4 x 1	7.3	87	10(84/28)	5 G.6	16.6	494
17(32/32)	4 G.1	7.3	87				

G - with green/yellow ground wire

X - without green/yellow ground wire