



FROH2R

Application and Description

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 temporary 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.

Standard and Approval

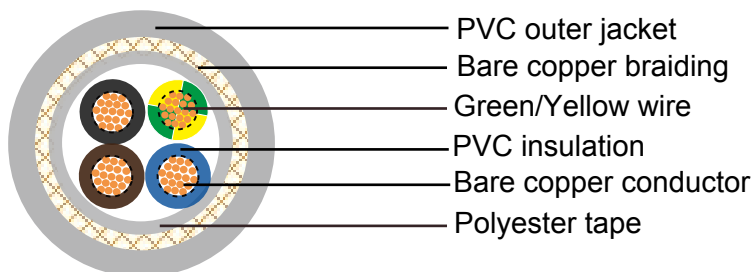
CEI 20-11, CEI 20-22/2, CEI 20-29, CEI 20-34, CEI 20-35 (EN60332-1), CEI 20-37 pt.2 (EN50267), CEI20-52

Cable Construction

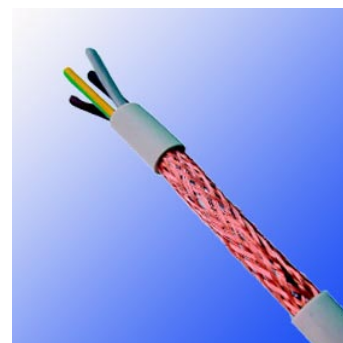
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- Flexible bare copper strands
 - Strands to VDE-0295 Class-5, IEC 60228 Class-5, CEI 20-29 Class-5,
 - PVC Insulation compound type TI2 according to CEI 20-11 and VDE 0207
 - Color code according Tab. Unel 0722
 - Polyester Tape
 - Bare copper wires braiding with coverage 75%±5%
 - PVC outer sheath compound type TM2 according to CEI 20-11
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Technical Characteristics

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- Working voltage: 300/500V 450/750V
 - 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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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
FROH2R 300/500V					
Seven cores(including ground core)					
17(32/32)	7 x 1	0.6	1.0	10.5	147.1
16(30/30)	7 x 1.5	0.7	1.2	12.1	186.9
14(50/30)	7 x 2.5	0.8	1.4	14.0	242.4
10 cores(including ground core)					
17(32/32)	10 x 1	0.6	1.2	12.8	215.9
16(30/30)	10 x 1.5	0.7	1.3	14.5	263.9
14(50/30)	10 x 2.5	0.8	1.5	16.7	345.5
12 cores(including ground core)					
17(32/32)	12 x 1	0.6	1.2	14.0	252.0
16(30/30)	12 x 1.5	0.7	1.4	16.1	315.1
14(50/30)	12 x 2.5	0.8	1.6	18.7	412.7
14 cores(including ground core)					
17(32/32)	14 x 1	0.6	1.3	14.9	287.9
16(30/30)	14 x 1.5	0.7	1.4	16.9	350.9
14(50/30)	14 x 2.5	0.8	1.6	19.6	460.5
16 cores(including ground core)					
17(32/32)	16 x 1	0.6	1.3	15.6	317.3
16(30/30)	16 x 1.5	0.7	1.5	17.9	397.5
14(50/30)	16x 2.5	0.8	1.7	20.9	520.9
19 cores(including ground core)					
17(32/32)	19 x 1	0.6	1.4	16.6	368.3
16(30/30)	19 x 1.5	0.7	1.5	18.8	449.2
14(50/30)	19 x 2.5	0.8	1.7	22.0	593.7
24 cores(including ground core)					
17(32/32)	24 x 1	0.6	1.5	19.4	459.8
16(30/30)	24 x 1.5	0.7	1.7	22.2	573.0
14(50/30)	24 x 2.5	0.8	1.9	26.4	793.9



Italian Standard

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
FROH2R 450/750V					
Two cores					
17(32/32)	2 x 1	0.7	1.0	8.6	106.7
16(30/30)	2 x 1.5	0.7	1.0	9.0	118.4
14(50/30)	2 x 2.5	0.8	1.2	10.7	169.6
12(56/28)	2 x 4.0	0.8	1.2	12.1	218.9
10(84/28)	2 x 6.0	0.9	1.3	13.5	287.1
Three cores(including ground core)					
17(32/32)	3x 1	0.7	1.0	9.1	123.5
16(30/30)	3 x 1.5	0.7	1.0	9.5	142.2
14(50/30)	3 x 2.5	0.8	1.2	11.3	203.8
12(56/28)	3 x 4.0	0.8	1.3	13.0	277.0
10(84/28)	3 x 6.0	0.9	1.4	14.4	364.8
Four cores(including ground core)					
17(32/32)	4 x 1	0.7	1.0	9.8	144.8
16(30/30)	4 x 1.5	0.7	1.1	10.5	173.5
14(50/30)	4 x 2.5	0.8	1.2	12.2	242.5
12(56/28)	4 x 4.0	0.8	1.3	14.4	345.6
10(84/28)	4 x 6.0	0.9	1.4	15.6	441.3
Five cores(including ground core)					
17	5 x 1	0.7	1.1	10.7	175.4
16(30/30)	5 x 1.5	0.7	1.2	11.5	209.0
14(50/30)	5 x 2.5	0.8	1.3	13.6	308.4
12(56/28)	5 x 4.0	0.8	1.5	15.9	430.7
10(84/28)	5 x 6.0	0.9	1.5	17.1	536.7