

*HFFR INSULATED FLAME RETARDANT SWITCHBOARD WIRE  
MX*



**APPLICATION**

**For fixed wiring in switchboards, control panels and other enclosures.**

- Flame Retardant
- Low Smoke Emission
- Without poisoned and Corrosive Gasses

**TECHNICAL CHARACTERISTICS**

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|--|--|
| 1 - Conductor                                  | : IEC 60228 CLASS 5 TINNED OR PLAIN COPPER     |
| 2 - Insulation                                 | : IEC 60092-351 CROSS-LINKED HFFR COMPOUND     |
| 3 - Colour Code                                | : RAL 9005 BLACK, OTHER COLOURS ON REQUEST     |
| 4 - Insulation Resistance                      | : 500 MΩxKm                                    |
| 5 - Test Voltage                               | : 3,5 kV AC                                    |
| 6 - Operating Voltage                          | : 0,6/1 kV                                     |
| 7 - Bending Radius                             | : 4xCABLE Ø                                    |
| 8 - Temperature Range                          | : -40°C ~ +90°C                                |
| 9 - Flame Retardant Test                       | : IEC 60332-1-2, IEC 60332-3-22 <b>(CAT A)</b> |
| 10 - Smoke Density                             | : IEC 61034-2                                  |
| 11 - Test on Corrosiveness of Combustion Gases | : IEC 60754-2                                  |
| 12 - Halogen Free Test                         | : IEC 60754-1                                  |
| 13 - Desing Standards                          | : IEC 60092-350, IEC 60092-351, IEC 60092-353  |

CODE NUMBER	CROSS SECTION [mm <sup>2</sup> ]	OVERALL DIAMETER [mm]	COPPER WEIGHT [kg/km]	APPROX WEIGHT [kg/km]	CURRENT RATING [A]	MIN BENDING RADIUS [mm]
53050016	1X0,5	2,1	4,6	10	6	8
53175010	1X0,75	2,5	7,2	14,5	14	10
53101010	1X1	2,7	9,5	18	17	11
53015010	1X1,5	2,9	14	22	22	12
53025010	1X2,5	3,6	23	35	29	14
53040010	1X4	4,1	37	51	37	16
53060010	1X6	4,7	55	76	51	19
53010010	1X10	6	92	123	71	24
53016010	1X16	7,5	147	179	94	30
53021010	1X25	9	230	275	125	34
53035010	1X35	10	322	380	156	36
53005010	1X50	11,8	460	410	195	40
53070010	1X70	13,6	644	750	240	48
53095010	1X95	16,6	874	1010	292	54
53012010	1X120	18	1104	1280	339	67
53055010	1X150	20,1	1380	1570	388	62
53018010	1X185	22	1702	1940	443	89
53024010	1X240	26	2208	2510	522	105