

FR2OH2R16 – 450/750 V

Flexible multicore cable, PVC insulated, shielded and under PVC jacket

Class Eca – DoP 22ICM015

CONSTRUCTION FEATURES

Conductor	Annealed bare copper class 5
Insulation	R2 quality PVC compound
Color	Bipolar: <i>Blue – Brown</i> ; Tripolar: <i>Brown – Black – Gray</i> or <i>Yellow/Green – Blue – Brown</i> ; Four-pole: <i>Blue – Brown – Black – Gray</i> or <i>Yellow/Green – Brown – Black – Gray</i> ; Five-pole: <i>Blue – Brown – Black – Gray – Black</i> or <i>Yellow/Green – Blue – Brown – Black – Gray</i> ; Numbered black without Yellow/Green Numbered black with Yellow/Green
Twist	Roped with a suitable step
Shielding	Bare copper braid
Jacket	R16 quality PVC compound
Color	Black, White or Gray
Marking	I.C.M. S.R.L. – FR2OH2R16 – 450/750 V – formation – Eca – CE + metric marking

ELECTRICAL CHARACTERISTICS

Voltage rating U₀/U	450/750 V
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MECHANICAL CHARACTERISTICS

Max operating temperature	70 °C
Max short circuit temperature	160 °C
Min operating temperature	-10 °C
	-25 °C
Min laying temperature	+5 °C
Max tensile strenght	15 N/mm ² for mobile installation
	50 N/mm ² for fixed installation
Min bending radius	6 x \varnothing_{ext} for mobile installation
	4 x \varnothing_{ext} for fixed installation

REFERENCE STANDARDS, REGULATIONS AND DIRECTIVES

EN 50525-1 Where Applicable; CEI 20-11/0-1; Dir. 2014/35/UE; Dir. 2011/65/UE, Reg. 305/2011 UE

USE CONDITIONS

Cables for use in applications for which a certain degree of protection from electromagnetic interference is required. For use indoors in dry or wet rooms, outdoors for intermittent or temporary use. Laying underground even if protected is not permitted. Not suitable for bundle installations.

I.C.M. INDUSTRIA CAVI MERLOTTI S.R.L.

Formation	Maximum electrical resistance at 20°C	Nom. outer \varnothing	Nom. weight
N° cond x sect. (mm ²)	Ohm/km	mm	Kg/km
2X0.50	39	6.28	94
3X0.50	39	6.59	61
4X0.50	39	7.07	73
5X0.50	39	8.00	95
7X0.50	39	8.59	115
10X0.50	39	10.12	153
12X0.50	39	11.01	181
16X0.50	39	12.04	226
24X0.50	39	14.56	325
2X0.75	26	6.92	62
3X0.75	26	7.28	77
4X0.75	26	8.24	100
5X0.75	26	8.88	120
7X0.75	26	9.55	147
10X0.75	26	11.53	203
12X0.75	26	12.66	244
16X0.75	26	13.96	309
24X0.75	26	16.91	456
2X1	19.5	7.46	79
3X1	19.5	8.26	99
4X1	19.5	8.90	120
5X1	19.5	9.61	143
7X1	19.5	10.36	179
10X1	19.5	12.88	258
12X1	19.5	13.88	301
16X1	19.5	15.53	390
24X1	19.5	18.70	569

Formation	Maximum electrical resistance at 20°C	Nom. outer \varnothing	Nom. weight
N° cond x sect. (mm ²)	Ohm/km	mm	Kg/km
2X1.50	13.3	8.62	99
3X1.50	13.3	9.08	125
4X1.50	13.3	9.81	153
5X1.50	13.3	10.84	189
7X1.50	13.3	11.70	233
10X1.50	13.3	14.92	362
12X1.50	13.3	15.76	404
16X1.50	13.3	17.52	527
24X1.50	13.3	21.10	769
2X2.50	7.98	9.72	132
3X2.50	7.98	10.27	170
4X2.50	7.98	11.34	217
5X2.50	7.98	12.64	271
7X2.50	7.98	13.97	363
10X2.50	7.98	17.07	507
12X2.50	7.98	18.25	590
16X2.50	7.98	20.32	759
24X2.50	7.98	24.39	1108
2X4	4.95	11.36	183
3X4	4.95	12.02	240
4X4	4.95	13.40	311
5X4	4.95	17.99	392
2X6	3.30	12.88	247
3X6	3.30	13.74	331
4X6	3.30	15.45	441
5X6	3.30	16.81	536