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

FG16OR16FR16 ENI – 0,6/1 kV

Flexible multicore cable, G16 insulated, wire armour, R16 jacket Hydrocarbon resistant

EU Regulation N.305/2011 – Class Cca – s3, d1, a3 – **DoP 21ICM013**

CONSTRUCTION FEATURES

Conductor	Annealed red copper class 5
Isolation	Compound based on ethylene-propylene HEPR rubber of G16 quality
Color	Bipolar: *Blue – Brown*; Tripolar: *Brown – Black – Grey* or *Yellow/Green – Blue – Brown*; Four-pole: *Blue – Brown – Black – Grey* or *Yellow/Green – Brown – Black – Grey*; Five-pole: *Blue – Brown – Black – Grey – Black* or *Yellow/Green – Blue – Brown – Black – Grey*; Numbered black without Yellow/Green Numbered black with Yellow/Green
Total Cabling	Cores are cabled together with optimal length
Jacket	Thermoplastic compound made of R16 quality PVC
Armor	Galvanized steel wire
Jacket	PVC thermoplastic compound R16 quality, hydrocarbon resistant
Color	Black, Grey or Blue
Marking	I.C.M. S.R.L. – FG16OR16FR16 – 0,6/1 kV – formation – Cca - s3, d1, a3 – CE + meter marking

ELECTRICAL CHARACTERISTICS

Nominal tension U_0/U	0,6/1	kV

MECHANICAL CHARACTERISTICS

Max operating temperature	90	°C
Max short circuit temperature	250	°C
Min operating temperature	-15	°C
Min laying temperature	0	°C
Max tensile strenght	50	N/mm^2
Min bending radius	15	x $\varnothing_{ext}$

REFERENCE STANDARDS AND DIRECTIVES

CEI 20-13; Directive 2014/35/UE; Directive 2011/65/UE

USE CONDITIONS

Cables for energy, signaling and controls, suitable for indoor laying, even in wet environments, and outdoor laying (protected from UV rays). Ideal for fixed installation on masonry and metal structures or suspended. The galvanized steel wire armor, offering a particular mechanical protection and strength, makes it particularly suitable for applications in industrial environments where there are severe service requirements. The cable, if stored/placed outdoors, must be protected from UV rays. Direct or indirect underground laying is allowed.

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Formation	Max conductor resistance at 20°C	Nom. under armour ∅	Nominal outer ∅	Nominal weight
N° cond x sect. (mm^2)	Ohm/km	mm	mm	Kg/km
2X1,50	13,3	8,00	13.30	319
3X1,50	13,3	8,47	13,77	351
4X1,50	13,3	9,22	14,52	394
5X1,50	13,3	10,07	15,37	442
7X1,50	13,3	10,95	16,25	504
12X1,50	13,3	14,37	19,67	724
16X1,50	13,3	15,97	21,27	856
24X1,50	13,3	19,21	24,51	1129
2X2,50	7,98	8,88	14,18	374
3X2,50	7,98	9,42	14,72	413
4X2,50	7,98	10,28	15,58	468
5X2,50	7,98	11,25	16,55	533
7X2,50	7,98	12,27	17,57	620
12X2,50	7,98	16,20	21,50	911
16X2,50	7,98	18,03	23,33	1092
24X2,50	7,98	21,76	27,26	1481
2X4	4,95	9,92	15,22	444
3X4	4,95	10,55	15,85	500
4X4	4,95	11,54	16,84	572
5X4	4,95	12,66	17,96	656
2X6	3,30	10,94	16,24	517
3X6	3,30	11,65	16,95	593
4X6	3,30	12,77	18,07	687
5X6	3,30	14,03	19,33	800
2X10	1,91	12,92	18,22	682
3X10	1,91	13,79	19,09	798
4X10	1,91	15,16	20,46	943
5X10	1,91	16,71	22,01	1109
2X16	1,21	15,34	20,64	919
3X16	1,21	16,40	21,70	1105
4X16	1,21	18,08	23,38	1322
5X16	1,21	19,97	25,27	1592