

FG16OR16 – 0,6/1 kV

Flexible multipolar cable, G16 insulated, R16 jacket

Class Cca – s3, d1, a3 – DoP 23ICM02

CONSTRUCTION FEATURES

Conductor	Annealed bare copper class 5
Isolation	Compound based on ethylene-propylene HEPR rubber of G16 quality Bipolar: <i>Blue – Brown</i> ;
Color	Tripolar: <i>Brown – Black – Grey</i> or <i>Yellow/Green – Blue – Brown</i> ;
	Four-pole: <i>Blue – Brown – Black – Grey</i> or <i>Yellow/Green – Brown – Black – Grey</i> ;
	Five-pole: <i>Blue – Brown – Black – Grey – Black</i> or <i>Yellow/Green – Blue – Brown – Black – Grey</i> ;
	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.
Color	Black, Grey or Blue
Marking	I.C.M. S.R.L. – FG16OR16 – 0,6/1 kV – formation – Cca – s3, d1, a3 – CE + meter marking

ELECTRICAL CHARACTERISTICS

Voltage rating U₀/U	0,6/1 kV
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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 by copper section
Min bending radius	4 / 6 x \varnothing_{ext}

REFERENCE STANDARDS, REGULATIONS AND DIRECTIVES

CEI 20-13; CEI 20-11/0-1;V1; Dir. 2014/35/UE; Dir. 2011/65/UE, Reg. 305/2011 UE

USE CONDITIONS

Energy, signaling and control cables for power supply suitable for limiting the spread of fire.

Suitable for bundled installations in environments such as, for example, offices and buildings intended for civil use with a height of more than 24 meters.

Suitable in indoor or outdoor environments, even wet ones, for fixed installation in free air, in pipe or duct, on masonry and metal structures or suspended.

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

Formation	Max conductor resistance at 20°C	Nominal outer Ø	Nominal weight
N° cond x sect. (mm²)	Ohm/km	mm	Kg/km
2X1,50	13,3	9,66	140
3X1,50	13,3	10,14	160
4X1,50	13,3	10,89	190
5X1,50	13,3	11,75	225
7X1,50	13,3	12,64	275
12X1,50	13,3	16,10	440
2X2,50	7,98	10,56	175
3X2,50	7,98	11,11	210
4X2,50	7,98	11,98	250
5X2,50	7,98	12,96	295
7X2,50	7,98	13,99	370
12X2,50	7,98	17,97	600