

FG16XHOH2R16 ENI – 450/750V

Flexible multipair cable, G16 insulated, single and total shield, R16 jacket
Hydrocarbon resistant

EU Regulation N.305/2011 – Classe Cca – s3, d1, a3 – DoP 21ICM011

CONSTRUCTION FEATURES

Conductor	Annealed red copper class 5
Isolation	Compound based on ethylene-propylene HEPR rubber of G16 quality
Color	Couples: Black numbered/Blue – Black numbered/White
Primary Cabling + shield	Cores are twisted in pair + Al/polyester tape with tinned copper drain wire
Total Cabling	Pairs are cables together with optimal length
Shield	Bare copper braids, coverage $\geq 70\%$
Jacket	PVC thermoplastic compound R16 quality hydrocarbon resistant
Color	Black, Grey or Blue
Marking	I.C.M. S.R.L. – FG16XHOH2R16 ENI – 450/750 V – formation – Cca – s3, d1, a3 – CE + meter marking

ELECTRICAL CHARACTERISTICS

Nominal tension U_0/U	450/750 V
---	-----------

MECHANICAL CHARACTERISTICS

Max operating temperature	90 °C
Max short circuit temperature	250 °C
Min operating temperature	-15 °C
Min laying temperature	0 °C
Max traction effort	50 N/mm ² by copper section
Min bending radius	15 x \varnothing_{ext}

REFERENCE STANDARDS AND DIRECTIVES

CEI 20-13 (where applicable); CEI EN 50288-7 (where applicable), Directive 2014/35/UE; Directive 2011/65/UE

USE CONDITIONS

Instrumentation cables, 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 ribbon shielding offers protection from electrostatic disturbances, while the braided shielding offers protection from electromagnetic disturbances. The cable, if stored/placed outdoors, must be protected from UV rays. Direct or indirect underground laying is allowed.

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. (mm ²)	Ohm/km	mm	Kg/km
1X2X0,75	26	8,53	101
2X2X0,75	26	12,10	180
3X2X0,75	26	12,70	214
4X2X0,75	26	13,66	254
6X2X0,75	26	15,87	352
12X2X0,75	26	20,23	557
1X2X1,5	13,3	9,81	135
2X2X1,5	13,3	14,18	234
3X2X1,5	13,3	15,16	302
4X2X1,5	13,3	16,41	363
6X2X1,5	13,3	19,28	528
12X2X1,5	13,3	24,97	839