

Instrumentation Cable

CPR EU 305/2011

Cu, G16 Insulation, individual (if necessary) and overall screen, M16 outer sheath.

IEC 60332.1 IEC 60332.3

Technical Specifications n° 108/19

of 02/09/2019

Type **F-Cu/G16/IS/OS/M16 0,6/1KV - F-Cu/G16/OS/M16 0,6/1KV**
FG16XHOHM16 0,6/1 KV - FG16XOHM16 0,6/1KV

Conductor : Flexible plain copper conductor according to IEC60228 cl.5

Insulation : EPR G16 type extruded compound
Temperature range -15 + 90° C
Temperature laying - 5 + 70° C

Size 1,0 mm ²	Thickness 0,70 ± 0,02 mm
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Laying up : Twisted to pairs, Blue – Brown - Black numbered (or to be agreed)

Pair screen : (if necessary) Applied over the single pair/triad will be wrapped with polyester tape and shielded with Aluminum / Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 mm size 0,5sqmm, over the screen will be placed a further Mylar tape.

Overall screen : Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.

Outer sheath : M16 LSZH extruded compound
Color : Blue / Black (or to be agreed)

Marking :

On the outer sheath " Sensitherm – FG16XHOHM16 0,6/1 KV Siz. IEC 60332.3
WWW/YY (Batch/Num.) Cca s1b-d1-a1 0001 m “

Performance

- Test voltage core to core 3,5 KV
- Flame retardant according to IEC 60332-3-24, CEI 20-22/3
- Low smoke and Halogen free as per IEC 60754-2, CEI 20-37/2
- Low smoke density emiss. IEC 61034 1/2
- Hydrocarbon and UV resistant
- Cable for intrinsically safe application
- Inductance \leq 0,90 mH/Km
- Capacitance \leq 0,200 μ F/Km
- This cable is suitable to be used in ATEX area following the EN60079-14 prescription
- EN50575 tested for approval

Item	Thick. outer sheath mm	Overall diameter mm	Weight Kg/Km	Organic Mat. Kg/Km	Insulation Mat. Kg/Km	Copper Content Kg/Km
FG16XHOHM16 0,6/1KV 27x3x1 mm ²	2,0	41	2040	1072	591	855

Weight and diameter are theoretical + / - 10%

Intended use:

Instrumentation cable in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.