

## Control and Power Cable - 115

## CPR EU 305/2011

**CU, G16 INSULATION, OVERALL SCREEN, M16 OUTER SHEATH.**  
**IEC 60332.1 IEC 60332.3 - HALOGEN FREE**

### Technical Specifications n° 115/24 of 26/06/2024 Rev. 0

<b>Type:</b>	FG16OHM16 0,6/1Kv
<b>Conductor:</b>	Flexible copper conductor according to IEC60228 cl.5
<b>Insulation:</b>	EPR G16 type extruded compound
	Temperature range -30 +90° C Temperature laying 0 +70° C

SIZE	THICKNESS
1,5 mm <sup>2</sup>	0,70 ± 0,02 mm
2,5 mm <sup>2</sup>	0,70 ± 0,02 mm

<b>Laying up:</b>	Twisted to cores UNEL color (or to be agreed)
<b>Overall screen:</b>	Applied over total assembly will be wrapped with polyester tape and shielded with Aluminium/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.
<b>Outer sheath:</b>	M16 LSZH extruded compound Colour: Grey/Black (or to be agreed)
<b>Marking:</b>	On the outer sheath "Sensitherm – FG16OHM16 0,6/1 KV Siz. IEC 60332.3 WWW/YY (Batch/Num.) Cca s1b-d1-a1 0001mt"
<b>Performance:</b>	<ul style="list-style-type: none"> <li>- Test voltage core to core 3,5KV</li> <li>- Flame retardant according to IEC60332-3-22, CEI20-22/2</li> <li>- Low smoke and Halogen free as per IEC60754-2, CEI20-37/2</li> <li>- Low smoke density emiss. IEC61034 1/2</li> <li>- Hydrocarbon and UV resistant</li> <li>- Rodent resistant</li> <li>- Fit for direct burial</li> <li>- This cable is suitable to be used in ATEX area following the EN60079-14 prescription (excluding annex E)</li> <li>- EN50575 tested for approval</li> </ul>

CODE OUTER SHEATH BLACK	CODE OUTER SHEATH BLUE	ITEM	THICK. OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM
1151900501	1151501501	FG16OHM16 0,6/1Kv 4x1,5 mm <sup>2</sup>	1,8	10,9	190	90
1151900502	1151501502	FG16OHM16 0,6/1Kv 5x1,5 mm <sup>2</sup>	1,8	11,7	230	90
1151900503	1151501503	FG16OHM16 0,6/1Kv 7x1,5 mm <sup>2</sup>	1,8	12,7	280	100
1151900504	1151501504	FG16OHM16 0,6/1Kv 12x1,5 mm <sup>2</sup>	1,8	16	440	130
1151900505	1151501505	FG16OHM16 0,6/1Kv 16x1,5 mm <sup>2</sup>	1,8	17,5	550	140
1151900506	1151501506	FG16OHM16 0,6/1Kv 19x1,5 mm <sup>2</sup>	2,0	18	620	150
1151900507	1151501507	FG16OHM16 0,6/1Kv 27x1,5 mm <sup>2</sup>	2,0	22,7	840	180
1151900508	1151501508	FG16OHM16 0,6/1Kv 4x2,5 mm <sup>2</sup>	1,8	11,9	250	90
1151900509	1151501509	FG16OHM16 0,6/1Kv 5x2,5 mm <sup>2</sup>	1,8	13	300	100
1151900510	1151501510	FG16OHM16 0,6/1Kv 7x2,5 mm <sup>2</sup>	1,8	14	380	110
1151900511	1151501511	FG16OHM16 0,6/1Kv 12x2,5 mm <sup>2</sup>	1,8	17,9	590	140
1151900512	1151501512	FG16OHM16 0,6/1Kv 16x2,5 mm <sup>2</sup>	2,0	19,8	750	160
1151900513	1151501513	FG16OHM16 0,6/1Kv 19x2,5 mm <sup>2</sup>	2,0	20,8	860	170
1151900514	1151501514	FG16OHM16 0,6/1Kv 24x2,5 mm <sup>2</sup>	2,0	24,2	1070	190
1151900515	1151501515	FG16OHM16 0,6/1Kv 27x2,5 mm <sup>2</sup>	2,0	24,7	1180	200

**Weight and diameter:**

Are theoretical + / - 10%