

**INSTRUMENTATION CABLE****Cu, PE insulation, overall screen, PVC bedding, lead sheath, PVC bedding, SWA, PVC outer sheath  
IEC60332.3, EN50288-7**

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**Type**      **F-Cu/PE/OS/PVC/LC/PVC/SWA/PVC 300/500V**                      **Size**      **1sqmm**  
**FEXOHLRFR 300/500V****Conductor :**      Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm      ( 32x0,20 )  
Diam.                      1,3 mm**Insulation :**      Polyethylene extruded compound                      - Temperature range -20 + 70°C  
Thickness :                      0,5 mm                      - Temperature laying -5 + 70°C**Laying up :**      White - Black numbered**Pair screen****Overall screen**      Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.**Bedding :**      PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness :                      1,0 mm**Bedding :**      Lead sheath  
Thickness :                      1,1 mm**Bedding :**      PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness :                      1,0 mm**Armour :**      SWA, Galvanized steel round wires  
Thickness :                      0,9 mm**Outer sheath :**      PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Colour :                      Black**Marking :**

On the outer sheath " manufacturer's name year &amp; description cable " with ink-jet printer.

**Performance :**      - Conductor resistance                      19,5 ohm/Km  
- Test voltage core to core                      2 Kv  
- Flame retardant according to IEC60332-3-24, CEI20-22/3  
- Low smoke and fume as per IEC60754-1, CEI20-37  
- HCL emission < /= 22%  
- Hydrocarbon and UV resistant

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**Technical data & Electrical properties at 20°C**

<b>DESCRIPTION</b>	<b>Sheath thickness</b>	<b>Ext.Dia m mm</b>	<b>W. Kg/Km</b>	<b>Armour Diam.</b>	<b>Bending radius</b>
<b>F-Cu/PE/OS/PVC/LC/PVC/SWA/PVC 1X2X1</b>	<b>1,4</b>	<b>18,2</b>	<b>720</b>	<b>0,90</b>	<b>437</b>
<b>F-Cu/PE/OS/PVC/LC/PVC/SWA/PVC 2X2X1</b>	<b>1,8</b>	<b>20,4</b>	<b>810</b>	<b>0,90</b>	<b>490</b>
<b>F-Cu/PE/OS/PVC/LC/PVC/SWA/PVC 5X2X1</b>	<b>2</b>	<b>26,8</b>	<b>1400</b>	<b>0,90</b>	<b>643</b>

**Weight and diameter are theoretical +/- 15%**