

**INSTRUMENTATION CABLE**  
**Cu, PE insulated, overall screen, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3-24**

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<b>Type</b>	<b>F-Cu/PE/OS/PVC/SWA/PVC 300/500V</b>	<b>3X 1sqmm</b>
	<b>FEOHRFR 300/500V</b>	
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm ( 32x0,20 ) Diam. 1,3 mm	
<b>Insulation :</b>	Polyethylene extruded compound	- Temperature range -20 + 70°C
	Thickness : 0,5 mm	- Temperature laying -5 + 70°C
<b>Laying up :</b>	Twisted to core, color Blue - Black - Brown ( or to be agreed )	
<b>Overall screen</b>	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.	
<b>Bedding :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Thickness : 1,0 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires	
	Thickness : 0,9 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color : Blue ( or to be agreed )	
	Thickness : 1,4 mm	
	Overall diameter : 11,8 mm	
	Total weight : 230 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 19,5 ohm/Km ( + 5% for multipair )	
	- 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%	
	- Minimum bending radius 14 V. D.	
	- Hydrocarbon and UV resistant	
	- Inductance <= 0,90 mH/Km	
	- Capacitance <= 0,075 microF/Km	

**Weight and diameter are theoretical + / - 10%**