

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, overall screen, PVC bedding, SWB, PVC outer sheath**  
**IEC60332.3**

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<b>Type</b>	<b>F-Cu/XLPE/OS/PVC/SWB/PVC 450/750V</b>	<b>2X2X 16AWG</b>
	<b>FE4XOHRAR 450/750V</b>	
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 16AWG ( 28x0,25 ) Diam. 1,55 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color White - Black numbered ( or to be agreed )	
<b>Comm wire :</b>	single wire 16AWG, stranded tinned copper, PVC insulated red color	
<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	
	Under arm. diameter	9,6 mm
<b>Armour :</b>	SWB, Galvanized steel braid wires	
	Thickness : 0,3 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color :	Blue ( or to be agreed )
	Thickness :	1,6 mm
	Overall diameter :	14,4 mm
	Total weight :	360 Kg/Km
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 13,3 ohm/Km ( + 5% for multipair )	
	- Test voltage core to core 3 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	12 V. D.
	- Hydrocarbon UV resistant	
	Inductance <=	0,90 mH/Km
	Capacitance <=	0,250 microF/Km

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