

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, Cu individual and overall screen, PVC bedding, STA, PVC outer sheath**  
**IEC60332.3, IEC60584**

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<b>Type</b>	<b>U-Kx/XLPE/ISH1/OSH1/PVC/STA/PVC 450/750V    2X2X 1,3sqmm</b> <b>Kx UE4XH1OH1RNR 450/750V</b>
<b>Conductor :</b>	Solid conductor according to IEC60584 NiCr + / Ni -, size    1,3sqmm ( 1x1,29 ) Diam.                    1,3 mm
<b>Insulation :</b>	Cross-linked XLPE extruded compound                    - Temperature range -20 + 90°C Thickness :                    0,6 mm                    - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color Green + , White - numbered ( or to be agreed )
<b>Pair/Triad screen</b>	Applied over the single pair/triad will be wrapped with polyester tape and shielded with Copper / Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm, over the screen will be placed a further Mylar tape.
<b>Overall screen</b>	Applied over total assembly will be wrapped with polyester tape and shielded with Copper/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>	STA, Double galvanized steel tape Thickness :                    0,25 mm
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color :                    Green ( or to be agreed ) Thickness :                    1,4 mm Overall diameter :            17,8 mm Total weight :                450 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        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        14 V. D. - Hydrocarbon and UV resistant

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