

**INSTRUMENTATION CABLE**  
**Cu, XLPE insulated, individual and overall screen, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3, BS5308**

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<b>Type</b>	<b>Cu-CI2/XLPE/IS/OS/PVC/SWA/PVC 300/500V</b>	<b>20X2X 1,5sqmm</b>
	<b>RE4XHOHRFR 300/500V</b>	
<b>Conductor :</b>	Stranded plain copper conductor according to IEC60228 cl.2 size 1,5sqmm ( 7x0,53 ) Diam. 1,55 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,5 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to pair, color White - Black 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 Aluminum / 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 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 : 1,2 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires	
	Thickness : 1,6 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color : Black ( or to be agreed )	
	Thickness : 2,0 mm	
	Overall diameter : 34 mm	
	Total weight : 1980 Kg/Km	

**Marking :**

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

<b>Performance :</b>	- Conductor resistance	12,1 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%**