

INSTRUMENTATION CABLE
Cu, PVC insulated, individual and overall screen, PVC bedding, SWB, PVC outer sheath
IEC60332.3, EN50288-7

Type	Cu-Cl5/PVC/IS/OS/PVC/SWB/PVC 300/500V FR2XHOHRAR 300/500V	24X3X 0,75sqmm
Conductor :	Flexible red copper conductor according to IEC60228 cl.5 size 0,75sqmm (24x0,20) Diam. 1,12 mm	
Insulation :	PVC extruded compound Thickness : 0,45 mm	- Temperature range -15 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color Blue - Brown - Black numbered (or to be agreed)	
Pair/Triad screen	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 sizq 0,5sqmm, over the screen will be placed a further Mylar tape.	
Overall screen	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 sizq 0,5sqmm.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,2 mm	
Armour :	SWB, Galvanized steel braid wires	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 39 mm Total weight : 2350 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- Conductor resistance 26 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 12 V. D.- Hydrocarbon resistant - Inductance <= 0,90mH/Km- Capacitance <= 0,20microF/Km	

Weight and diameter are theoretical + / - 10%