

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

Type	F-Cu/HEPR/OS/PVC/SWB/PVC 300/500V FG7OHRAR 300/500V	6X 0,5sqmm
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 0,5sqmm (16x0,20) Diam. 0,9 mm	
Insulation :	Cross-linked HEPR extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Black numbered (or to be agreed)	
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 size 0,5sqmm.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armour :	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 1,6 mm Overall diameter : 12,8 mm Total weight : 280 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 39 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 10 V. D. - Hydrocarbon resistant - This cables are suitable for fixed installation in damp locations, in open spaces and for underground laying	

Weight and diameter are theoretical + / - 10%