

INSTRUMENTATION CABLE
Cu, PE insulated, overall screen, PVC bedding, SWA, PVC outer sheath
IEC60332.3-24

Type	F-Cu/PE/OS/PVC/SWA/PVC 300/500V	3X3X 1sqmm
	FEXOHRFR 300/500V	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1sqmm (32x0,20) Diam. 1,3 mm	
Insulation :	Polyethylene extruded compound	- Temperature range -20 + 70°C
	Thickness : 0,5 mm	- Temperature laying -5 + 70°C
Laying up :	Twisted to core, color Blue - Brown - 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 :	SWA, Galvanized steel round wires	
	Thickness : 0,9 mm	
Outer sheath :	PE, Polyethylene extruded compound	
	Color : Blue (or to be agreed)	
	Thickness : 1,6 mm	
	Overall diameter : 19 mm	
	Total weight : 550 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 19,5 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 halogen free as per IEC60754-2, CEI20-37/2	
	- Low smoke density emission IEC61034-1/2	
	- 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%