

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

Type	F-Cu/XLPE/OS/PVC/SWB/PVC 300/500V FE4OHRAR 300/500V	3X 1,5sqmm
Conductor :	Flexible red copper conductor according to IEC60228 cl.5 size Diam. 1,55 mm	1,5sqmm (28x0,25)
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Blue - Brown - Black	
Overall screen	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/mylar tape and further mylar tape.	
Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm under arm. diameter : 9 mm	
Armor :	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 : 1,4 mm Overall diameter : 13 mm Total weight : 300 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 13,3 ohm/Km (+ 5% for multipair) - Test voltage core to core 2 Kv - Flame retardant according to IEC60332-3-22, CEI20-22/2 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission <= 22% - Minimum bending radius 12 V. D. - Hydrocarbon and UV resistant	

Weight and diameter are theoretical +/- 10%