

**INSTRUMENTATION CABLE
Cu, PE insulated, overall screen, PE bedding, SWA, PVC outer sheath
IEC60332.1, EN50288-7**

Type	R-Cu/PE/OS/PE/SWA/PVC 300/500V REXOHEFR 300/500V	16X2X 1,3sqmm
Conductor :	Strandrd red copper conductor according to IEC60228 cl.2 size 1,3sqmm (7x0,49) Diam. 1,3 mm	
Insulation :	Polyethylene extruded compound Thickness : 0,5 mm	- Temperature range -20 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pairs, color White - Black numbered (or to be agreed)	
Overall screen	Over the multipair will be shielded with aluminum/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminum/myler tape and further mylar tape.	
Bedding :	PE, Polyethylene extruded compound Thickness : 1,2 mm	
Armor :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 29,4 mm Total weight : 1440 Kg/Km	
Marking :	On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 14,8 ohm/Km (+ 5% for multipair) - Test voltage core to core 2 Kv - Flame retardant according to IEC60332.1, CEI20-35 - Low smoke and fume as per IEC60754-1, CEI20-37 - HCL emission </= 22% - Minimum bending radius 14 V. D. - Hydrocarbon and UV resistant	

Weight and diameter are theoretical + / - 10%