

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

Type	R-Cu/PE/IS/OS/PVC 300/500V RE-2Y(ST)Yv-fl PiMF 300/500V	32X2X 0,5sqmm
Conductor :	Strandrd plain copper conductor according to IEC60228 cl.2 size 0,5sqmm (7x0,30) Diam. 0,9 mm	
Insulation :	Polyethylene extruded compound Thickness : 0,45 mm	- Temperature range -20 + 70°C - Temperature laying -5 + 70°C
Laying up :	Twisted to pair, color White - 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 size 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 size 0,5sqmm.	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 28 mm Total weight : 1170 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 36 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 \leq 17%- Minimum bending radius 14 V. D.- Hydrocarbon an UV resistant - Inductance \leq 0,90 mH/Km- Capacitance \leq 0,075 microF/Km	

Weight and diameter are theoretical + / - 10%