

INSTRUMENTATION CABLE
Cu, PVC insulated, overall screen, PVC outer sheath
IEC60332.1, IEC60332.3, EN50288-7

- Type** **RE-Y(st)Y 300/500V**
 RR2XOHR 300/500V
- Conductor :** Stranded plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43)
 Diam. 1,3 mm
- Insulation :** PVC extruded compound - Temperature range -30 + 75°C
 Thickness : 0,5 mm - Temperature laying -5 + 70°C
- Laying up :** Twisted to pairs, White - Black numbered (or to be agreed)
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- Overall screen** Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar
tape100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire
7x0,30 size 0,5sqmm.
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- Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound
 Color : Grey (or to be agreed)
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- Marking :**
On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.
- Performance :** - Conductor resistance 18,1 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%
 - Hydrocarbon and UV resistant
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- Inductance </= 0,90 mH/Km
 - Capacitance </= 0,250 microF/Km

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Technical data & Electrical properties at 20°C

DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armour Diam.	Bending radius
RE-Y(st)Y 300/500V 2X1	1,2	7,4	80		59
RE-Y(st)Y 300/500V 2X2X1	1,2	8,5	120		68
RE-Y(st)Y 300/500V 4X2X1	1,4	13,3	240		106
RE-Y(st)Y 300/500V 8X2X1	1,6	17	400		136
RE-Y(st)Y 300/500V 12X2X1	1,6	21	570		168
RE-Y(st)Y 300/500V 16X2X1	1,8	23	710		184

Weight and diameter are theoretical +/- 10%