

INSTRUMENTATION CABLE**Cu, EPR insulated, overall screen, LSF bedding, GSWB, LSF outer sheath
IEC60332.1, IEC60332.3, EN50288-7**

Type **R-Cu/EPR/OS/LSF/GSWB/LSF 300/500V
RG7XOHRFR 300/500V****Conductor :** Stranded plain copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53)
Diam. 1,55 mm**Insulation :** Cross-linked HEPR extruded compound - Temperature range -20 + 90°C
Thickness : 0,5 mm - Temperature laying -5 + 90°C**Laying up :** Twisted to pairs, White - 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 :** GSWB, Galvanized steel braid wires**Outer sheath :** PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Color : Grey (or to be agreed)**Marking :**

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :

- Conductor resistance 12,1 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 \leq 22%
- Hydrocarbon and UV resistant

- Inductance \leq 0,90 mH/Km
- Capacitance \leq 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
R-Cu/EPR/OS/LSF/GSWB/LSF 300/500V 2X1,5	1,4	12,5	240	0,90	175
R-Cu/EPR/OS/LSF/GSWB/LSF 300/500V 5X2X1,5	1,6	23	670	0,90	322
R-Cu/EPR/OS/LSF/GSWB/LSF 300/500V 10X2X1,5	1,8	26	1040	0,90	364

Weight and diameter are theoretical +/- 10%