

INSTRUMENTATION CABLE**Cu, XLPE insulated, individual and overall screen, LSZH bedding, SWA, LSZH outer sheath
EN50288-7, IEC60332.3, IEC60754, IEC61034**

Type **R-Cu/XLPE/IS/OS/LSZH/SWA/LSZH 300/500V
RE4XHOHM1FM1 300/500V****Conductor :** Stranded plain copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53)
Diam. 1,55 mm**Insulation :** Cross-linked XLPE extruded compound - Temperature range -20 + 90°C
Thickness : 0,5 mm - Temperature laying -5 + 90°C**Laying up :** Twisted to pairs, Blue - 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.**Bedding :** M1, Low Smoke Zero Halogen emission extruded compound
Thickness : 1,0 mm**Armour :** SWA, Galvanized steel round wires**Outer sheath :** M1, Low Smoke Zero Halogen emission extruded compound
Color : black (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 halogen free as per IEC60754-2, CEI20-37/2
- Low smoke density emission IEC61034-1/2
- Hydrocarbon and UV resistant
- Cable for intrinsically safe application
- Inductance \leq 0,90 mH/Km
- Capacitance \leq 0,075 microF/Km
- This cable is suitable to be used in ATEX area following the EN60079-14 prescription

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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/XLPE/IS/OS/LSZH/SWA/LSZH 500V 2X2X1,5	1,4	17,4	450	0,90	244
R-Cu/XLPE/IS/OS/LSZH/SWA/LSZH 500V 3X2X1,5	1,6	18,4	530	0,90	258
R-Cu/XLPE/IS/OS/LSZH/SWA/LSZH 500V 6X2X1,5	1,8	22,8	810	0,90	319

Weight and diameter are theoretical +/- 10%