

INSTRUMENTATION CABLE**Cu MGT, XLPE insulated, overall screen, LSZH bedding, SWA, LSZH outer sheath
IEC60754, IEC61034, IEC60332.3, IEC60331-23**

Type **R-Cu/MGT/XLPE/OS/LSZH/SWA/LSZH 300/500V
RTE4XOHM1FM1 300/500V****Conductor :** Stranded plain copper conductor according to IEC60228 cl.2 size 2,5sqmm (7x0,67)
Diam. 2 mm**Insulation :** Mica tape, Cross-linked XLPE extruded compound - Temperature range -20 + 90°C
Thickness : 0,6 mm - Temperature laying -5 + 90°C**Laying up :** Twisted to pair, 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 :** 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 : Orange (or to be agreed)**Marking :**

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

Performance :

- Conductor resistance 7,41 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

- Inductance \leq 0,90 mH/Km
- Capacitance \leq 0,250 microF/Km
- Fire resistant IEC60331-23

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DESCRIPTION	Sheath thickness	Ext.Dia m mm	W. Kg/Km	Armour Diam.	Bending radius
R-Cu/MGT/XLPE/OS/LSZH/SWA/LSZH 2X2,5	1,4	14,8	330	0,90	237
R-Cu/MGT/XLPE/OS/LSZH/SWA/LSZH 10X2X2,5	2	35	1770	0,90	560
R-Cu/MGT/XLPE/OS/LSZH/SWA/LSZH 20X2X2,5	2	44,5	3000	0,90	712

Weight and diameter are theoretical +/- 10%