

FIRE RESISTANT INSTRUMENTATION CABLE
CuMGT, XLPE insulated, overall screen, LSZH bedding, SWB, LSZH outer sheath
IEC60332.3, IEC60754, IEC61034, IEC60331-21

Type	R-Cu/MGT/XLPE/OS/LSZH/SWB/LSZH 300/500V RTE4OHM1AM1 300/500V	2X 2,5sqmm
Conductor :	Strandrd plain copper conductor according to IEC60228 cl.2 size 2,5sqmm (7x0,67) Diam. 2 mm	
Insulation :	Mica tape, Cross-linked XLPE extruded compound Thickness : 0,5 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to pair, Blue - Black (or to be agreed)	
Pair screen		
Overall screen	Over the multipair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/myler tape and further myler tape.	
Bedding :	M1, Low Smoke Zero Halogen emission extruded compound Thickness : 0,8 mm	
Armour :	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Colour : Orange (to be agreed) Thickness : 1,4 mm Overall diameter : 14,4 mm Total weight : 350 Kg/Km	
Marking :	On the outhter 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 IEC60332.3-22, CEI20-22/2 - Low smoke and halogen free as per IEC60754-2, CEI20-37/2 - Fire resistant IEC60331-23 - Minimum bending radius 16 v.d. - Hydrocarbon and UV resistant	