

FIRE RESISTANT INSTRUMENTATION CABLE
CuMGT, XLPE insulated, overall screen, LSZH bedding, SWA, LSZH outer sheath
IEC60332.3, IEC60754, IEC61034, IEC60331-23

Type	R-Cu/MGT/XLPE/OS/LSZH/SWA/LSZH 300/500V RTE4OHM1FM1 300/500V	3X 1sqmm
Conductor :	Strandrd plain copper conductor according to IEC60228 cl.2 size 1sqmm (7x0,43) Diam. 1,3 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 triad, Red - Yellow - Blue (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 : 1,0 mm	
Armour :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound Colour : Black Thickness : 1,4 mm Overall diameter : 14,4 mm Total weight : 320 Kg/Km	
Marking :	On the outhter 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 IEC60332.3-22, 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	