

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

Type	R-Cu/MGT/XLPE/OS/LSZH/GSWA/LSZH 300/500V RTE4OHM1FM1 300/500V	2X 1,5sqmm
Conductor :	Strandrd plain copper conductor according to IEC60228 cl.2 size 1,5sqmm (7x0,53) Diam. 1,55 mm	
Insulation :	Mica tape, Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,5 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to pair, White - 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 : 1,0 mm	
Armour :	SWA, Galvanized steel round wires	
	Thickness : 0,9 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound	
	Colour : Grey (or to be agreed)	
	Thickness : 1,4 mm	
	Overall diameter : 13,8 mm	
	Total weight : 310 Kg/Km	
Marking :	On the outhter 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 IEC60332.3-22, 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.	