

FIRE RESISTANT INSTRUMENTATION CABLE
CuMGT, XLPE insulated, overall screen, LSZH bedding, SWB, LSZH outer sheath
IEC60332.3, IEC60754, IEC61034, IEC60331-21, EN50200 PH30

Type	F-Cu/MGT/EPR/OS/LSZH/SWB/LSZH 0,6/1Kv	2X 4sqmm
	FTG100HM1AM1 0,6/1Kv	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 4sqmm (56x0,30) Diam. 2,5 mm	
Insulation :	Mica tape, Cross-linked G10 extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- 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 : 1,0 mm	
Armour :	SWB, Galvanized steel braid wires	
	Thickness : 0,3 mm	
Outer sheath :	M1, Low Smoke Zero Halogen emission extruded compound	
	Colour : Black	
	Thickness : 1,8 mm	
	Overall diameter : 16,4 mm	
	Total weight : 470 Kg/Km	
Marking :	On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 4,95 ohm/Km (+ 5% for multipair) - Test voltage core to core 3,5 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 IEC60331-21, EN50200 PH30 - Minimum bending radius 16 v.d. - Hydrocarbon and UV resistant	