

INSTRUMENTATION CABLE
CuMGT, FR-HEPR insulated, overall screen, LSZH outer sheath
IEC60332.3-24, IEC60754, IEC61034, IEC60331-21

Type	F-Cu/MGT/FR-HEPR/OS/LSZH 300/500V	12X3G 1,5sqmm
	FTG18XOHM16 300/500V	
Conductor :	Flexible plain copper conductor according to IEC60228 cl.5 size 1,5sqmm (28x0,25) Diam. 1,55 mm	
Insulation :	Mica tape, Cross-linked G18 extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,6 mm	- Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Y/G - Blue - 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.	
Outer sheath :	M16, Low Smoke Zero Halogen emission extruded compound	
	Color :	Red (or to be agreed)
	Thickness :	2,0 mm
	Overall diameter :	35 mm
	Total weight :	1440 Kg/Km
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 13,3 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	
	- Minimum bending radius 15 V. D.	
	- Hydrocarbon and UV resistant	
	- Inductance \leq 0,90 mH/Km	
	- Capacitance \leq 0,250 microF/Km	
	- Fire resistant IEC60331-21	

Weight and diameter are theoretical + / - 10%