

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

Type	F-Cu/MGT/FR-HEPR/OS/LSZH/SWA/LSZH 300/	3X 1,5sqmm
	FTG18OHM16FM16 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 Blue - Brown - Black	
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.	
Bedding :	M16, Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm	
Armour :	SWA, Galvanized steel round wires Thickness : 0,9 mm	
Outer sheath :	M16, Low Smoke Zero Halogen emission extruded compound Color : Red (or to be agreed) Thickness : 1,4 mm Overall diameter : 15 mm Total weight : 350 Kg/Km	
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	<ul style="list-style-type: none">- 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 </= 0,90 mH/Km- Capacitance </= 0,250 microF/Km- Fire resistant IEC60331-21	

Weight and diameter are theoretical + / - 10%