

INSTRUMENTATION CABLE
Cu, XLPE insulated, individual and overall screen, SHF2 bedding, SWB, SHF2 outer sheath
IEC60332.3-22, IEC60754, IEC61034

Type	Ft-Cu/XLPE/IS/OS/SHF2/SWB/SHF2 0,6/1Kv	2X3X 1,5sqmm
	FE4XHOHM2AM2 0,6/1Kv	
Conductor :	Flexible tinned copper conductor acc. to IEC60228 cl.5	size 1,5sqmm (28x0,25)
	Diam.	1,55 mm
Insulation :	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness :	0,7 mm - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color White - Red - Black numbered (or to be agreed)	
Pair/Triad screen	Applied over the single pair/triad 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, over the screen will be placed a further Mylar tape.	
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 :	SHF2 , Low Smoke Zero Halogen emission Cross-linked extruded compound	
	Thickness :	1,0 mm
Armour :	SWB, Galvanized steel braid wires	
	Thickness :	0,3 mm
Outer sheath :	SHF2 , Low Smoke Zero Halogen emission Cross-linked extruded compound	
	Color :	Grey (or to be agreed)
	Thickness :	1,8 mm
	Overall diameter :	21 mm
	Total weight :	640 Kg/Km
Marking :	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
Performance :	- Conductor resistance 13,7 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	
	- Low smoke density emission IEC61034-1/2	
	- Minimum bending radius 12 V. D.	
	- Hydrocarbon and UV resistant	
	- Inductance </= 0,90 mH/Km	
	- Capacitance </= 0,075 microF/Km	

Weight and diameter are theoretical + / - 10%