

**POWER CABLE**  
**Cu, XLPE insulated, SHF1 bedding, SWA, SHF1 outer sheath**  
**IEC60332.3, IEC60502**

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<b>Type</b>	<b>F-Cu/XLPE/SHF1/SWA/SHF1 0,6/1Kv</b>	<b>3G 6sqmm</b>
	<b>FE40M1FM1 0,6/1Kv</b>	
<b>Conductor :</b>	Flexible plain copper conductor according to IEC60228 cl.5 size 6sqmm ( 80x0,30 ) Diam. 3 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color Blue - Brown - Y/G ( or to be agreed )	
<b>Bedding :</b>	SHF1 , Low Smoke Zero Halogen emission extruded compound	
	Thickness : 1,0 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires	
	Thickness : 0,9 mm	
<b>Outer sheath :</b>	SHF1 , Low Smoke Zero Halogen emission extruded compound	
	Color : Black ( or to be agreed )	
	Thickness : 1,8 mm	
	Overall diameter : 18 mm	
	Total weight : 620 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 3,3 ohm/Km ( + 5% for multipair )	
	- Test voltage core to core 4 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	

**Weight and diameter are theoretical +/- 10%**