

**POWER CABLE
Cu, XLPE insulated, PVC bedding, SWB, PVC outer sheath
IEC60332.3, IEC60502 PQA**

Type	R-Cu/XLPE/PVC/SWB/PVC 0,6/1Kv RE40RAR 0,6/1Kv	5G 6sqmm
Conductor :	Stranded plain copper conductor according to IEC60228 cl.2 size 6sqmm (7x1,05) Diam. 3 mm	
Insulation :	Cross-linked XLPE extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
Laying up :	Twisted to core, color Yellow - Green - Red - Blue - Y/G	

Overall screen

Bedding :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Thickness : 1,0 mm	
Armor :	SWB, Galvanized steel braid wires Thickness : 0,3 mm	
Outer sheath :	PVC, Polyvinylchloride Low Smoke and Fume extruded compound Color : Black (or to be agreed) Thickness : 2,0 mm Overall diameter : 20 mm Total weight : 840 Kg/Km	

Marking :

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :	- Conductor resistance	3,08 ohm/Km	(+ 5% for multipair)
	- Test voltage core to core	3,5 Kv	
	- Flame retardant according to IEC60332-3-24, CEI20-22/3		
	- Low smoke and fume as per IEC60754-1, CEI20-37		
	- HCL emission < /= 22%		
	- Minimum bending radius	12 V. D.	
	- Hydrocarbon and UV resistant		

Weight and diameter are theoretical + / - 10%