

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

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<b>Type</b>	<b>R-Cu/XLPE/LSZH/SWA/LSZH 0,6/1Kv</b> <b>RE40M1FM1 0,6/1Kv</b>	
<b>Conductor :</b>	Stranded red copper conductor according to IEC60228 cl.2 size 2,5sqmm ( 7x0,67 ) Diam. 2 mm	
<b>Insulation :</b>	Cross-linked XLPE extruded compound Thickness : 0,7 mm	- Temperature range -20 + 90°C - Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color Blue-Brown, Y/G-Blue-Brown, Y/G-Brown-Black-Grey, Y/G-Blue-Brown-Black-Grey ( or to be agreed )	
<b>Pair screen</b>		
<b>Overall screen</b>		
<b>Bedding :</b>	M1, Low Smoke Zero Halogen emission extruded compound Thickness : 1,0 mm	
<b>Armor :</b>	SWA, Galvanized steel round wires	
<b>Outer sheath :</b>	M1, Low Smoke Zero Halogen emission extruded compound Color : Black ( or to be agreed )	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 7,41 ohm/Km (+ 5% for multipair ) - Test voltage core to core 4 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 - Hydrocarbon and UV resistant	



5	0,5sqmm	4sqmm ( 16x0,20 )	( 56x0,30 )	( 48x0,25 )
2	0,75sqmm	6sqmm ( 24x0,20 )	( 80x0,30 )	
	1sqmm	10sqmm ( 32x0,20 )	( 77x0,40 )	( 7x0,67 )
	1,5sqmm	16sqmm ( 28x0,25 )	( 7X18X0,40 )	
	2,5sqmm	25sqmm ( 48x0,25 )	( 4x80x0,30 )	
3	PVC extruded compound		- Temperature range -15 + 105°C	
	Polyethylene extruded compound		- Temperature laying -5 + 70°C	
	Cross-linked XLPE extruded compound		- Temperature range -20 + 70°C	
	Cross-linked HEPR extruded compound		- Temperature laying -5 + 70°C	
	Cross-linked G10 extruded compound		- Temperature range -20 + 90°C	
			- Temperature laying -5 + 90°C	
	Each pair will be shielded with aluminium/mylar tape, with tinned copper drain wire 7x0,30 placed between the aluminium/mylar tape and further mylar tape.			
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	PET tape			
	PE, Polyethylene extruded compound			
2	PVC, Polyvinylchloride Low Smoke and Fume extruded compound			
	M1, Low Smoke Zero Halogen emission extruded compound			
3	SWB, Galvanized steel braid wires			
	SWA Galvanized steel round wires with an open helix of galvanized steel tape over the wire			
	SWA, Galvanized steel round wires			
	STA, Double galvanized steel tape			
2	PVC, Polyvinylchloride Low Smoke and Fume extruded compound			
	M1, Low Smoke Zero Halogen emission extruded compound			
	PE, Polyethylene extruded compound			
	CWB tinned copper wire braid			
	<b>Armor :</b>			
	<b>Screen :</b>			
			- Low smoke and fume as per IEC60754-1, CEI20-37	
			- Low smoke and halogen free as per IEC60754-2, CEI20-37/2	
			CTS Red copper tape	
4			- Flame retardant according to IEC60332-3-22, CEI20-22/2	
			- Flame retardant according to IEC60332.1, CEI20-35	
			- Flame retardant according to IEC60332.3, CEI20-22/2, Fire resistant IEC60331	
			- Flame retardant according to IEC60332-3-24, CEI20-22/3	
			- HCL emission <= 22%	
			- Low smoke density emission IEC61034-1/2	
			SHF1 , Low Smoke Zero Halogen emission extruded compound	



( 7x0,30 )                    ( 7x0,85 )  
 ( 7x0,37 )                    ( 7x1,05 )  
 ( 7x0,43 )                    Solid red copper conductor according to IEC60228 cl.1 size  
 ( 7x0,53 )                    Flexible red copper conductor according to IEC60228 cl.5 size  
 ( 7x0,67 )                    Stranded red copper conductor according to IEC60228 cl.2 size  
                                      Flexible tinned copper conductor acc. to IEC60228 cl.5 size

0,9	36	39	36
1,12	24,5	26	24,5
1,3	18,1	19,5	18,1
1,55	12,1	13,3	12,1
2	7,41	7,98	7,41
2,5	4,61	4,95	4,61
3	3,08	3,3	3,08
4,1	1,91		
5,2	1,21		
6,3			
1,13			

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