

TECHNICAL DATA SHEET

Item	Description	Unit	Required	Guaranteed values by manufacturer
	0,6/1 kV Underground Power Cable AL / XLPE / PVC 4 x 240 mm² SM			
1	GENERAL DATA			
1.1	Type of Cable			TXFP 4 x 240 SM
1.2	Manufacturer			
1.3	Applied standard			IEC 60502-1
2	DATA			
2.1	Maximum AC/DC resistance of conductor			
	@ 20°C	Ω/km		0,1250
	@ 90°C	Ω/km		0,1603
2.2	Minimum insulation resistance			
	@ 20°C	M Ω Km		
	@ 70°C	M Ω Km		
2.3	Current - carrying capacity (in ground / in air)	A		398 / 427
2.4	Max. operating temperature	°C	90	90
2.5	Max. Short - circuit temperature	°C	250	250
2.6	Permissible 1 sec short circuit current	kA		23,04
2.7	Test voltage	kV	3,5	3,5
2.8	Nominal voltage rating [U ₀ / U (U _m)]	kV	0,6/1 (1,2)	0,6/1 (1,2)
2.9	Overall diameter of finished cable, approximately	mm		52,6
2.10	Weight of finished cable, approximately	kg/km		3935
2.11	Maximum length per drum	m		Upon Request
2.12	Minimum bending radius of cable	m		12 x D
3	CONDUCTORS			
3.1	Conductor material		Aluminum	Aluminum
3.2	Conductor shape			Stranded Sector Shaped Compacted
3.3	Conductor class			Class 2
3.4	Conductor standard			EN 60228
3.5	Number of wires	no		37
3.6	Cross-sectional area of conductor	mm ²	240	240
4	INSULATION			
4.1	Type of insulation			XLPE
4.2	Thickness of insulation	mm		1,70
4.3	Colour of cores			Brown-Black-Gray-Green Yellow
5	INNER SHEATH			
5.1	Material			Filler
6	SHEATH			
6.1	Material of outer sheath		PVC	PVC
6.2	Color of outer sheath			Green
7	CPR CLASS			Eca

Manufacturer Name :.....
 Signature :.....
 Stamp :.....
 Date :.....

TXFP 4x240 sm

