

Medium & High Voltage Cables	Units	Item1
Product identification and Features		
Cable code		71961C0
Cable type		TSLE All ground
Standard		HD-620 10K
Nominal voltage	kV	12/20 (24)
N° of cores x C.S.A.	mm ²	1 x 240
Construction and Dimensions		
Conductor material		
Shape		Aluminium
Class / Standard		Circular compacted
Nominal diameter	mm	2 / IEC 60228
W.B. conductor		17,85
Swellable semi-conducting tape over conductor		YES
Conductor screen material		
Nominal radial thickness	mm	Extruded semi-conducting layer
Insulation material		
Nominal radial thickness / Minimum at any point	mm	0,5
Diameter over insulation	mm	XLPE
Insulation screen material (non metallic)		
Nominal radial thickness	mm	5,5 / --
Swellable semi-conducting tape under metallic screen		29,9
Insulation screen (metallic)		
Nominal radial thickness	mm	Extruded semi-conducting layer
Swellable semi-conducting tape under metallic screen		0,4
Insulation screen (metallic)		
N° of wires x Diameter	N x mm	YES
C.S.A. (Cu wires)	mm ²	CWS
Aluminium / Copolymer tape		36x0,862
Nominal total C.S.A. (Cu wires + Aluminium/Copolymer tape)	mm ²	21
Outer sheath material (grooved layer)		
Approximate radial thickness (up to the grooves's crest)	mm	MDPE
Colour		5,0
Overall diameter (single core)	mm	BLACK
Overall diameter (bundle)	mm	44,9
Nominal total weight	kg/km	N/A
Minimum bending radius (during/after installation)	mm	1940
Electrical Data		
Maximum conductor DC resistance, at 20 °C	Ohm/km	TBA
Star reactance per phase, at 50 Hz	Ohm/km	0,125
Capacitance per phase	µF/km	0,118
Charging current per phase, at U ₀ , 50 Hz	A/km	0,284
Maximum permanent current rating (*)	A	1,249
Maximum conductor temperature in service / in short-circuit	°C	528 / 449
Maximum adiabatic short-circuit current rating (0.1/0.5/1.0 s)	kA	90 / 250
		71,8 / 32,1 / 22,7

(*) In air, at 25 °C / Buried, at 15 °C - 1,0 °K·m/W - 0,7 m

N/A = Not Applicable

Nominal values subject to the usual manufacturer tolerances

Signed by : R. Roig

Date : 13/03/2017