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Low Voltage Cables		Units	Item1	Item2
Product identification and Features				
Cable code			1614108	1614109
Cable type			ZZ-F	ZZ-F
Standard			TÜV 2Pfg 1169/08.07	TÜV 2Pfg 1169/08.07
Standard			EN 50267	EN 50267
Standard			IEC 60332-1 & IEC 60332-3C 60332-1 & IEC 60332-3-22	
Nominal voltage			0,6/1 kV	0,6/1 kV
N° of cores x C.S.A.			1 x4 mm ²	1 x6 mm ²
Construction and Dimensions				
Conductor material				
Shape			TAC	TAC
Class / Standard			Circular	Circular
Class / Standard			5 / IEC 60228	5 / IEC 60228
Nominal diameter	mm		2,40	3,10
Mica glass tape			NO	NO
Insulation material				
Nominal radial thickness	mm		EVA	EVA
Diameter over insulation	mm		0,9	0,9
Diameter over insulation	mm		4,2	4,9
Conductor material (reduced core)				
Shape			N/A	N/A
Class / Standard				
Nominal diameter	mm			
Mica glass tape				
Insulation material (reduced core)				
Nominal radial thickness	mm		N/A	N/A
Diameter over insulation	mm			
Screen bedding material				
Approximate radial thickness	mm		N/A	N/A
Metallic screen				
N° of wires x Diameter	N x mm		N/A	N/A
Nominal tape thickness / Overlap	mm / %			
C.S.A.	mm ²			
Metallic sheath bedding material				
Nominal radial thickness	mm		N/A	N/A
Metallic sheath material				
Nominal radial thickness	mm		N/A	N/A
Armour bedding material				
Nominal radial thickness / Minimum at any point	mm		N/A	N/A
Armour material				
Nominal under armour diameter	mm		N/A	N/A
N° of wires (approx.) x Diameter / Metallic uncounter tape	N x mm			
Nominal tapes thickness	mm			
Outer sheath material				
Nominal radial thickness / Minimum at any point	mm		EVA	EVA
Nominal overall diameter	mm		0,7 / --	0,7 / --
Nominal total weight	kgs/km		5,6	6,3
Minimum bending radius	mm		65	90
Minimum bending radius	mm		23	26
Electrical Data				
Maximum conductor DC resistance, at 20 °C	Ohm/km		5,09	3,39
Star reactance per phase, at 50 Hz	Ohm/km		0,113	0,104
Maximum permanent current rating (*)	A		55 (0) / --	70 (0) / --
Maximum conductor temperature in service / in short-circuit	°C		120 / 250	120 / 250
Maximum adiabatic short-circuit current rating (0.1/0.5/1.0 s)	kA		1,6 / 0,714 / 0,505	2,39 / 1,07 / 0,757

(*) In air, at 40 °C / Buried, at 25 °C - 1,5 °K·m/W - 0,7 m (see more details in ANNEX)

N/A = Not Applicable

Nominal values subject to the usual manufacturer tolerances

Date : 17/03/2010