

Product	PI G2 - 1,12 mm				Sanction - IEC 60317-46	
Dimensional properties checked following IEC 60851-2	Conductor diameter	Average value	1,114		1,109 - 1,131 mm	
	Overall diameter	Average value	1,192		< 1,217 mm	
	Increase due to insulation	Average value	0,078		> 0,065 mm	
	Roundness of conductor		0,002		< 0,012 mm	
Mechanical properties checked following IEC 60851-3	Adherence	Jerk test	OK		No loss of adhesion or crack	
	Flexibility	Peel Test (K = 110)		Nº revolution	138	> 81 revolutions
		Pre-elongation	0% - OK	Mandrel (mm)	1,12	No crack - Pre-elongation 0% - mandrel ,12 mm
	Pre-elongation	35% - OK	Mandrel (mm)	1,12		
	Elongation		42%	-		> 30 %
	Springiness		39°	-		< 41°
Electrical properties checked following IEC 60851-5	Breakdown voltage	A Twist	11,6 - 11,2 - 11,0 - 10,8 - 11,2 kV		> 5kV	
	Continuity of insulation	Voltaje	3000 V	Nº faults	0 fault	< 5 faults / 1500 V
	Pine hole test		0 faults / 5 meters			< 3 faults / 5 meters
	Electrical resistance		0,01712 Ohm			0,01687 - 0,01785 Ohm
	Dielectric dissipation factor		256°C			-
Thermal properties checked following IEC 60851-6	Cut Through		450°C	> 20 min	450 °C / > 2 min	
	Heat shock	Pre-elongation	10%	Mandrel (mm)	1,12	No crack - Pre-elongation 0% - mandrel 3,55 mm
				Temperature	400°C	260°C
Chemical properties checked following IEC 60851-4	Resistance to solvents	UNE (60% White Spirit - 30% Xileno - 10% butanol en vol.)		Hardness	4H / 4H	Loss of hardness < 1H
	Heat bonding					Test inappropriate
	Solderability					Test inappropriate