

Product	HCTV - 0,58 mm				Sanction - IEC 60317-38
Dimensional properties checked following IEC 60851-2	Conductor diameter	Average value	0,578		0,574 - 0,586
	Overall diameter	Average value	0,639		< 0,654 mm
	Increase due to insulation	Average value	0,061		> 0,045 mm
	Roundness of conductor		0,001		< 0,006 mm
Mechanical properties checked following IEC 60851-3	Adherence	Jerk Test	OK		No loss of adhesion or crack
	Flexibility	Pre-elongation	0% - OK	Mandrel (mm) 0,58	No crack - Pre-elongation 0% - mandrel 0,58 mm
		Pre-elongation	20% - OK	Mandrel (mm) 0,58	
	Elongation		39%	-	> 27 %
	Springiness		48°	-	< 50°
Unidirectional abrasion	Mini	7,50 N	Average	7,66 N	Mini : > 4,55 N / Average > 5,35 N
Electrical properties checked following IEC 60851-5	Breakdown voltage	A Twist	9,8 - 11,0 - 10,6 - 10,8 - 10,4 kV		> 2,6 kV
	Continuity of insulation	Voltage	3000 V	N° faults 1 fault	< 25 faults / 1000 V
	Pine hole test		0 faults / 5 meters		< 3 faults / 5 metros
	Electrical resistance		0,06470 Ohm	-	0,06284 - 0,06663 Ohm
	Dielectric dissipation factor			-	
Thermal properties checked following IEC 60851-6	Cut Through		350°C	> 7 min	320 °C / > 2 min
	Heat shock	Pre-elongation	0%	Mandrel (mm) 0,58 Temperature 220°C	No crack - Pre-elongation 0% - mandrel 1,40 mm 220°C
Chemical properties checked following IEC 60851-4	Resistance to solvents				Test inappropriate
	Heat bonding		6,30 N at room T° / 1,50 N a 170°C		> 1,60 N at room T° > 1,20 N a 170°C
	Solderability				Test inappropriate