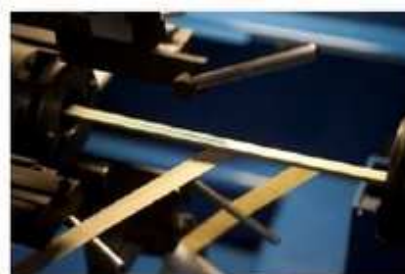


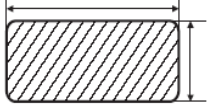
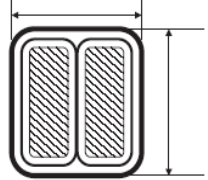
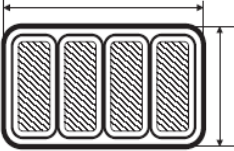
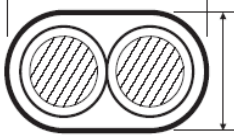
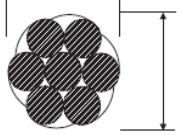
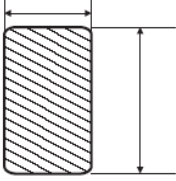
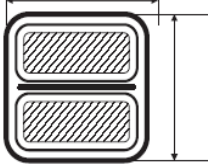
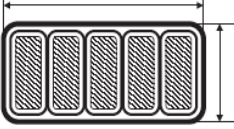
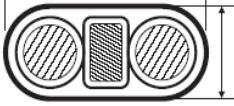

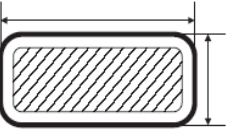
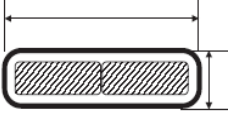
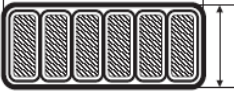
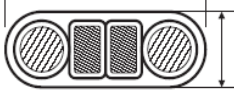
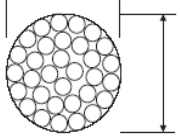
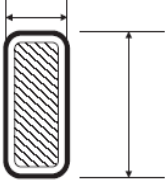
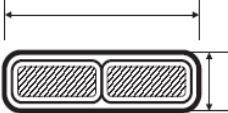


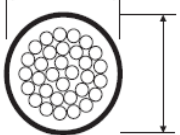
The isolation process (up to six conductors at the same time) is based on a technology allowing very precise taping with the required isolation material for a complete range of applications on electrical machines.

STANDARD TYPES OF TAPING AND ISOLATION MATERIAL

Characteristics	Paper	Mica/poliesther	Kapton	Nomex
Thermic class	Y	>F	C	C
Type of isolation	Kraft	Mica+Polyesther	Poliimida	Aramid Poliamida aromática
Temperature index	90	170	220	220
Number of layers	1 at 8	1 at 8	1 at 2	1 at 8
Thickness (mm)	0,060 – 0,075	0,019-0,085	0,0375	0,05
Overlap (%)	0-60	30-60	30-60	30-60
Flexibility(%)	33	35	35	33
Perforación tensión (V)	Depending on the number of layers			
Elongation (%)	> 40	> 40	> 40	> 40
Angle (º)	<= 5	<= 5	<= 5	<= 5
Standard	EN60317-27		EN60317-43/44	

Type of packaging	Max weight(kg)
DWF355 mm	48
DWF500 mm	100
VM630 mm	250
VM710/180 mm	200
VM710/325 mm	300
VM1000 mm	700
VM1200 mm	1300



<p>1.-PLETINA DESNUDA NORMAL</p> 	<p>9.-PLETINA TWIN AISLADA CANTO</p> 	<p>17.-PLETINA ENSAMBLADA (4 CONDUCTORES CANTO)</p> 	<p>25.-HILO AISLADO TWIN</p> 	<p>30.-CABLE RIGIDO DESNUDO (CLASE II)</p> 
<p>2.-PLETINA DESNUDA CANTO</p> 	<p>10.-PLETINA TWIN AISLADA POLIESTER</p> 	<p>18.-PLETINA ENSAMBLADA (5 CONDUCTORES CANTO)</p> 	<p>26.-ESPIRAS ESTATICAS (2 HILOS - 1 PLETINA)</p> 	<p>31.-CABLE RIGIDO AISLADO (CLASE II)</p> 
<p>3.-PLETINA NORMAL AISLADA</p> 	<p>11.-PLETINA TWIN LATERAL DESNUDA</p> 	<p>19.-PLETINA ENSAMBLADA (6 CONDUCTORES CANTO)</p> 	<p>27.-ESPIRAS ESTATICAS (2 HILOS - 2 PLETINA)</p> 	<p>32.-CABLE FLEXIBLE DESNUDO (CLASE V)</p> 
<p>4.-PLETINA AISLADA CANTO</p> 	<p>12.-PLETINA TWIN LATERAL AISLADA</p> 	<p>20.-PLETINA ENSAMBLADA (7 CONDUCTORES CANTO)</p> 	<p>28.-ESPIRAS ESTATICAS (2 HILOS - 3 PLETINA)</p> 	<p>33.-CABLE FLEXIBLE AISLADO (CLASE V)</p> 

ISOLATION/TAPING

✓ We work with suppliers who are able to meet the requirements and specifications of our costumers, such as ISOVOLTA, COGEBI, VON ROLL...

✓The various types of tapes can be applied using opposite or same directions and the overlap is as deined in the costumers's specification.



Fire resistant conductors requirements for safety applications are fully accomplished by this kind of isolation. We have the capacity to protect with mica fiber-glass class I, II and V conductors in sections up to 300 sqm.

Standard tapes characteristics

Characteristics	Unit	Fire Resistant Mica Tape
Nominal Thickness	mm	0,1±0,015
Total Substance	g/m ²	130±11
Mica Content	g/m ²	80±5
Glass Content	g/m ²	34±3
Bond Content	g/m ²	15±4
Tensile Strength	N/cm	>100
Stiffness	N/m	<50
Dielectric Constant (200°C)	ε	≈ 1,2
Dielectric Strength	KV/layer	>1
Thermal Conductivity	W/m°C	0,20 – 0,25

Type of Packaging	Max. net weight (kg)
DIN630	350/500
DIN800	750
DIN1000	1000
DIN1250	2000



Standard taping options with one layer 50% overlap or two layers 15 – 20 % overlap.

