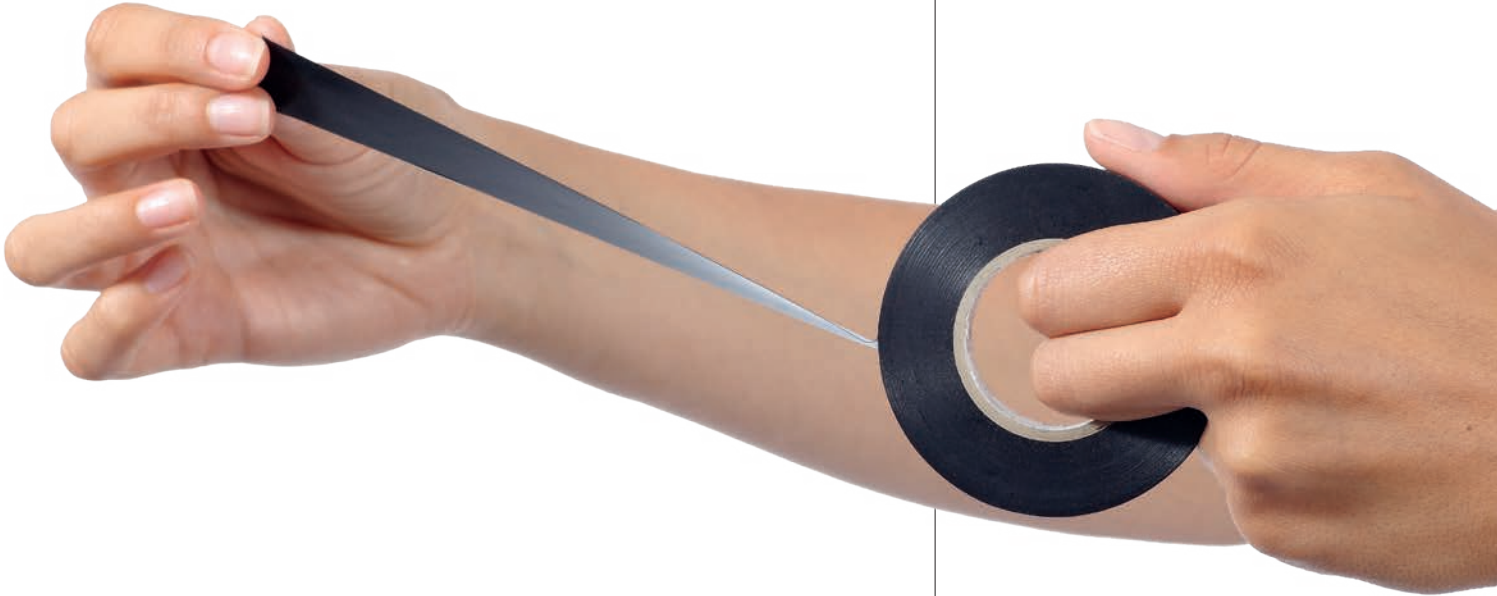


TAPES



SELF-ADHESIVE TAPES IN PVC

RAYTEAM

Self-adhesive for general use



RAYTECH SUPER 3-3

Self-adhesive for low and high temperatures



SELF-AMALGAMATING

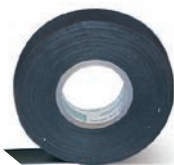
RAYTECH 2.3

Insulation tape EPR



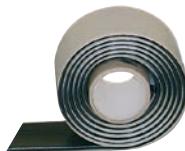
RAYTECH 23 BT

LV insulation tape



RAYTEFILL

Heavy duty insulation tape



RAYTECH 7-0

Silicone insulation tape



SPECIAL TAPES

RAYCOPPER

Copper braid tape



MCA-FV

Fibreglass self-adhesive tape



MCA-ALL

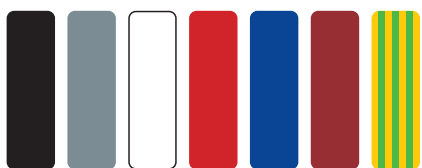
Self-adhesive aluminium tape





VDE marking

Complies with standards CEI 60454 (EN60454)



Available colours: black, grey, white, red, blue, brown, yellow/green.
Contact Raytech for other sizes and thicknesses.

| Property | Typical values |
|--|--------------------|
| Breaking Strength (tensile) | 30 N/cm min |
| Elongation at break | > 170 % |
| Adhesion to steel | 1,8 N/cm |
| Adhesion to backing | 1,8 N/cm |
| Self-extinguishing | Self-extinguishing |
| Operating temperature | -5°C / 85°C |
| Electric strength after exposure to damp environment | 40 kV/mm min |

RAYTEAM

Self-adhesive tape for general use.

PVC adhesive tape for electrical applications and mechanical protection for general use. Recommended for insulating low-voltage joints and for covering cables, accessories and products in general. It is self-extinguishing and does not propagate fire. Excellent resistance to ageing, exposure to weather conditions, hydrocarbons and chemical solvents in general.

| PRODUCT | Item | Item | Thickness | Width | Length |
|-----------------|------------|------------|-----------|-------|--------|
| RAYTEAM 1925/13 | 270913-000 | 270913-008 | 0,13 mm | 19 mm | 25 m |
| RAYTEAM 1510/13 | 021513-000 | 021513-008 | | 15 mm | 10 m |
| RAYTEAM 1925 | 012141-000 | 012141-004 | 0,15 mm | 19 mm | 25 m |
| RAYTEAM 1510 | 021514-000 | 021514-006 | | 15 mm | 10 m |
| RAYTEAM 1525 | 270999-000 | 270999-008 | | 15 mm | 25 m |
| RAYTEAM 2525 | 280999-000 | 280997-000 | | 25 mm | 25 m |

| PRODUCT | Item | Item | Item | Item | Item |
|-----------------|------------|------------|------------|------------|------------|
| RAYTEAM 1925/13 | 270913-005 | 270913-002 | 270913-006 | 270913-001 | 270913-045 |
| RAYTEAM 1510/13 | 021513-009 | 021513-002 | 021513-006 | - | 021513-045 |
| RAYTEAM 1925 | 012141-007 | 012141-001 | 012141-002 | 012141-005 | 012141-003 |
| RAYTEAM 1510 | 021514-004 | 021514-001 | 021514-002 | 021514-007 | 021514-003 |
| RAYTEAM 1525 | 270999-009 | 270999-002 | 270999-006 | - | 270999-045 |
| RAYTEAM 2525 | 280998-000 | - | - | - | - |

NEW

RAYTEAM K20

20 RAYTEAM TAPES
+ 3 MT MEASURING TAPE
INCLUDED



PRODUCT / Item

RAYTEAM K20
RAYTEAM-K20

Description

20 RAYTEAM 1925 PVC adhesive tapes dimension: 0,15 mm x 19 mm x 25 m + measuring tape in ABS with retractable belt clip and lanyard.

RAYTECH SUPER 3-3

Self-adhesive tape for use at low and high temperatures.

PVC adhesive tape with excellent electrical and mechanical properties for a wide range of working temperatures. This tape is particularly suitable for use at low temperatures and in all weather conditions, including the most extreme. The tape is flame retardant and self-extinguishing. It is recommended as the primary insulation for joints up to 0.6/1 kV, and as the outer covering for joints and other products, and for all applications at low temperatures.

| PRODUCT / Item | Colour | Width | Thickness | Length |
|-----------------------------------|--------|-------|-----------|--------|
| RAYTECH SUPER 3-3 3-3061-00-13 | ● | 19 mm | 0,18 mm | 20 m |

Complies with standards
CEI 60454 (EN60454)



| Property | Typical values |
|--|--------------------|
| Breaking Strength (tensile) | 35 N/cm min |
| Elongation at break | 180 % |
| Adhesion to steel | > 1,8 N/cm |
| Adhesion to backing | > 1,8 N/cm |
| Self-extinguishing | Self-extinguishing |
| Temperatura d'esercizio | -18°C / 105°C |
| Electric Strength after exposure to damp environment | 40 kV/mm min |

RAYTECH 2.3

EPR Self-amalgamating tape low and high voltage tape.

This ethylene-propylene (EPR) self-amalgamating tape is used for insulating and sealing high voltage electrical joints for voltages up to Um 72 kV. It amalgamates rapidly, adapting itself to the product underneath, forming a solid unit without air bubbles. It is particularly resistant to partial discharges (corona), with the characteristics remaining unchanged with time. Joints must be protected with a PVC tape or similar.

| PRODUCT / Item | Colour | Width | Thickness | Length |
|-----------------------------|--------|-------|-----------|--------|
| RAYTECH 2.3 3-2001-00-13 | ● | 19 mm | 0,76 mm | 9 m |



| Property | Typical values |
|-----------------------------|---------------------------|
| Breaking Strength (tensile) | 2.2 MPa min |
| Elongation at break | 800% min |
| Overload temperature | 130°C |
| Operating temperature | 90°C |
| Dielectric strength | 38 kV/mm min |
| Volume resistivity | 10 ¹⁵ Ω cm min |
| Resistance to ozone | Positive |
| Resistance to U.V. | Positive |

RAYTECH 23 BT

Low voltage Self-amalgamating tape.

This rubber self-amalgamating low voltage tape (0.6/1 kV) is used for insulating and sealing low voltage electrical joints. It amalgamates rapidly, adapting itself to the product underneath, forming a solid unit. The joints must be protected with a PVC tape. The characteristics remain unchanged with time.

| PRODUCT / Item | Colour | Width | Thickness | Length |
|-------------------------------|--------|-------|-----------|--------|
| RAYTECH 23 BT 3-2002-96-13 | ● | 19 mm | 0,76 mm | 6,7 m |



| Property | Typical values |
|-----------------------------|----------------|
| Breaking Strength (tensile) | 3 MPa min |
| Elongation at break | 500% min |
| Operating temperature | 80°C |
| Dielectric strength | 20 kV/mm min |



RAYTEFILL

Thick low voltage Self-amalgamating tape.

This self-amalgamating thick-wall (3.2mm) has been specially designed for the rapid reconstruction of low-voltage cable insulation, to cover complex shapes (insulating and covering joints between busbars and relative bolts, clamps, etc.) and to seal against possible penetration of humidity. Once applied it becomes a solid, absolutely non-porous mass, with first class electrical qualities and ageing resistance, perfectly suited to the product it is covering.

| Property | Typical values |
|-----------------------------------|--------------------|
| Breaking Strength (tensile) | 0,1 MPa |
| Operating temperature: Continuous | From -30°C to 80°C |
| Dielectric strength | 23,0 kV/mm |

| PRODUCT / Item | Colour | Width | Thickness | Length |
|---------------------------|--------|-------|-----------|--------|
| RAYTEFILL 3-2140-00-13 | ● | 38 mm | 3,2 mm | 1,5 m |



Complies with standards
ASTM-D-2148

RAYTECH 7-0

Self-amalgamating silicone rubber tape.

This self-amalgamating silicone rubber tape is used for covering medium and high voltage terminations on extruded cables up to Um 72 kV, because of its first-rate performance for electrical installations in damp or polluted environments, against corrosion, corona and against ageing. It is used as an insulation up to 180°C due to its excellent heat properties. It can be perfectly adapted to all the shapes to be covered.

| Property | Typical values |
|-----------------------------|----------------|
| Elongation at break | 300% |
| Resistance to U.V. | Positive |
| Resistance to ozone | Positive |
| Working temperature maximum | 180°C |
| Dielectric strength | 24 kV/mm |

| PRODUCT / Item | Colour | Width | Thickness | Length |
|-----------------------------|--------|-------|-----------|--------|
| RAYTECH 7-0 3-2042-00-13 | ● | 25 mm | 0,51 mm | 9,1 m |

RAYCOPPER

Tinned copper mesh tape for electrical screening.

| Property | Typical values |
|-----------------------------|---|
| Material | Tinned copper mesh tape with high flexibility |
| Elongation at break | 70% min |
| Breaking Strength (tensile) | 35 N/10 mm |
| Volume resistivity | 0,3 cm |

| PRODUCT | Item | Colour | Width | Thickness | Length |
|----------------|------------|--------|-------|-----------|--------|
| RAYCOPPER 1000 | COPPER-100 | Silver | 60 mm | 0,3 mm | 1 m |
| RAYCOPPER 2000 | COPPER-200 | Silver | 60 mm | 0,3 mm | 2 m |
| RAYCOPPER 3000 | COPPER-300 | Silver | 60 mm | 0,3 mm | 3 m |
| RAYCOPPER 5000 | COPPER-500 | Silver | 60 mm | 0,3 mm | 5 m |
| RAYCOPPER 6000 | COPPER-600 | Silver | 60 mm | 0,3 mm | 6 m |

MCA-FV

Fiberglass adhesive tape.

Self-adhesive mono-directional fibreglass tape with polypropylene support. Suitable for cable fixing on pipes (i.e.: Raytech MCA... cables for electrical tracing), and for any kind of strong fixing. Inextensible, it is suitable for temperatures up to 130°C.

| Property | Typical values |
|-----------------------------|----------------|
| Breaking Strength (tensile) | 300 N/cm min |
| Ultimate elongation | 8% |
| Adhesion to steel | 2 N/cm min |

| PRODUCT / Item | Colour | Width | Thickness | Length |
|----------------------|--------|-------|-----------|--------|
| MCA-FV 012521-000 | White | 12 mm | 0,13 mm | 50 m |

MCA-ALL

Self-adhesive aluminium tape.

Self-adhesive adhesive aluminium tape suitable for fixing on flat surfaces (i.e.: for heating cable fixing on tanks outer surfaces); used also for holes or abrasion repairs on metallic or plastic surfaces. Strong adhesion.

| Property | Typical values |
|-----------------------------|-----------------|
| Breaking Strength (tensile) | 1,2 da N/cm min |
| Elongation at break | 5% min |
| Adhesion to steel | 4 N/cm min |
| Adhesion to backing | 4,5 N/cm min |
| Flame resistance BS476-7 | Class 1 |

| PRODUCT / Item | Colour | Width | Thickness | Length |
|----------------------|-----------|-------|-----------|--------|
| MCA-ALL 75 R42562 | Aluminium | 75 mm | 0,06 mm | 50 m |

