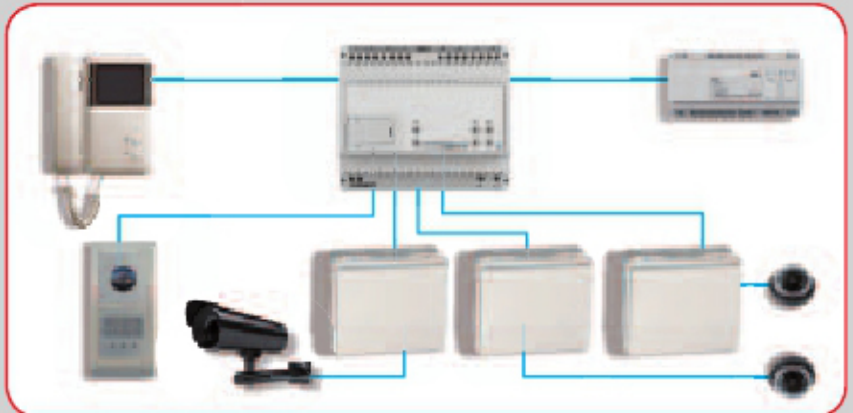


Ray Tech RAY GEL

Insulating, sealing, re-enterable fast cross linking bicomponent silicone gel for telephone and intercom systems and for LED and display protection



Problem

TELECOM

What does a gel for this type of system have to give?

Requirements:

- ✓ **SEALING:**
installations also possible in humid environments, flooded wells
- ✓ **DEGREE OF PROTECTION:**
IP68 in proper casing

- ✓ **PREVENTION FROM OXIDATION:**
contacts in Telecom connections shouldn't give attenuations (low signal currents)




- ✓ **HIGH INSULATION FLUIDITY:**
during casting, the the insulation has to fill all interstitial spaces between the cores of the cable

- ✓ **ANTICRACKING:**
insulation in the permanently cold joint should not crack at low temperatures

- ✓ **INSULATION:**
the filler should be an insulating component

Solution **RAY GEL**

meets all your Telecom system requirements!

Product code	Weight	Color	kit composition
BAG-GEL 200-T	200 g	●	 Single dose bag
BAG-GEL 400-T	400 g	●	
BAG-GEL 200-V	200 g	●	
BAG-GEL 400-V	400 g	●	
BAG-GEL 200-R	200 g	●	
BAG-GEL 400-R	400 g	●	
RAY-GEL 300-T	300 g	●	 Bottles
RAY-GEL 1000-T	1000 g	●	
RAY-GEL 300-V	300 g	●	
RAY-GEL 1000-V	1000 g	●	
RAY-GEL 300-R	300 g	●	
RAY-GEL 1000-R	1000 g	●	
RAY-GEL 10K-T	10 kg	●	 Cons
RAY-GEL 20K-T	20 kg	●	
RAY-GEL 10K-V	10 kg	●	
RAY-GEL 20K-V	20 kg	●	
RAY-GEL 10K-R	10 kg	●	
RAY-GEL 20K-R	20 kg	●	

Characteristics

- Non-toxic and safe
- Re-enterable even after long periods of operation
- Density: about 1
- Cross linking: (pot life) at + 30°C: <3 minutes
- Viscosity: <2000 MPas
- Operating temperature: -60° / +180°
- Thermal conductivity: <0.2 W/m*K
- Dielectric strength: >21 kV/mm
- Volume resistivity: >1,5 x 10 exp15 Ω cm
- Dielectric constant: <7
- Gives protection degree IP68 in proper casing
- No shelf life

Available in three colours. Each colour is associated with particular characteristics.



RED

- specially formulated for UV resistance
- suitable for "surface" installations
- ideal for intercom systems



GREEN

- particularly resistant to fungi and mould
- suitable also for underground installations
- ideal for telephone connections



TRANSPARENT

- excellent transparency
- does not opacify
- ideal for protecting printed circuit boards, for sealing displays, for insulating and sealing LEDs