



SPLICE KITS

**REVISION 1**

APPLICATION

Onshore and Marine

SPLICE KIT DATA

Suitable for plastic or rubber insulated cables 600/1000 V (without armour).



FEATURES

- Strong clear plastic mould body with Snaplock connection for tight seal.
- Stepped cable entry cut-off points for all cable diameters.
- Large mould shell enables crimp or split bolt / line tap connectors to be used.
- Resin 2-year shelf life.

APPLICATIONS

- Used on Cathodic Protection applications including pipelines, tanks and buried structures.
- Ideal for single core unarmoured Tee or Branch jointing rated up to 1kV, above or below ground. To suit mains cable single core max size up to 95 sq mm. Branch single core up to 35 sq mm.

RESIN SEALING COMPOUND

- Resin sealing compound is suitable for all climate conditions.
- High quality resin sealing compound has a high resistance to moisture absorption, is mixed in a clear pack and stored in an aluminium protective bag.
- The long-term electrical properties of resin sealing compound result in a more reliable connection without any associated maintenance costs.

MAJOR USERS

- Specified by leading oil, gas and water companies and consulting engineers.

QUALITY

- Designed to meet the requirements of BS 7888:1998.



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RESIN PACK

FEATURES

- The pack has been specifically designed and fabricated to offer the user a quick, clean and efficient method of mixing and pouring.
- The pack consists of a two part polyurethane resin correctly proportioned into pouches separated by a divider. The user simply breaks the divider, amalgamates the two components and pours.
- Dual system of packaging ensures that the pack is sealed against the atmosphere.
- The outer aluminium packaging provides added protection against the atmosphere to give a shelf life of 2 years.
- The inner transparent plastic packaging provides a visible reference for the user when mixing.
- During mixing the user does not come into contact with the resin but gloves are provided for extra safety.
- Each pack has its own unique batch number and use by date to provide an easy reference for the user.
- Full safety labelling.
- Controlled curing temperature designed to be compatible with PVC, XLPE, EPR, polythene and PILC cables.
- Odour free.
- Detailed storage instructions.
- No special labelling required for transportation by road, sea or air.
- Designed to meet requirements of BS 7888-3:1998 and CENELEC HD623 S1



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TECHNICAL PROPERTIES

	Resin	Hardener	Mixed
Colour	Black	Brown	Black
Specific gravity (gm/cubic cm)	1.58	1.23	1.51
Viscosity (poise)	70-100	1-2	50-60
Gelation time	20-30 minutes 200 gram mass @ 21°C		
Full cure	24 hours @ 23°C / 1 hour @ 80°C		
Shelf life	2 years (24 months) when stored between 10-25°C. Packaging must remain intact.		
Peak exotherm	75.2°C based on 5 ltr placed in a container 200mm diameter conditioned at 21°C. Measurements taken at 5 minute intervals at the centre of the resin mass.		
Thermal conductivity	0.46 w/mk		
Tensile strength	47 Mpa		
Shore hardness	80 A		
Elongation	40%		
Dielectric strength (solid)	Greater than 5 MV/m		
Operating temperature	Provided resin is mixed correctly based on a static environment with gradual rise and fall in temperature is -40°C to +110°C.		

TYPE

USABLE VOLUME OF PACK

PC5581	200ml
PC5581	450ml
PC5581	500ml
PC5581	1000ml
PC5581	1200ml
PC5581	1500ml
PC5581	2000ml

HEALTH & SAFETY

Each pack contains mixing instructions and carries health and safety warnings in accordance with BS 7888:1998.

MIXING DETAILS





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CABLE CONNECTORS

Line taps



DESCRIPTION
 Manufactured from brass to BS 2874
 – CZ 121. Tinned overall, they
 conform to all major specifications
 throughout the World.

PRINCIPAL USES
 To provide quick, low cost
 service connections from copper
 overhead lines.



Ref. No.	Conductor detail equal dia. (mm).		Dimensions (mm)			Weight (kg/100)
	Min	Max	A	C	D	
HD9	2.70	4.10	19	11.30	13.34	1.35
HD10	3.80	5.50	24	13.34	18.00	2.75
HD12A	5.30	8.00	31	18.00	23.30	5.50
HD14	7.30	11.00	41	23.30	30.40	11.60
HD15	8.80	14.00	47	30.50	37.40	21.50

