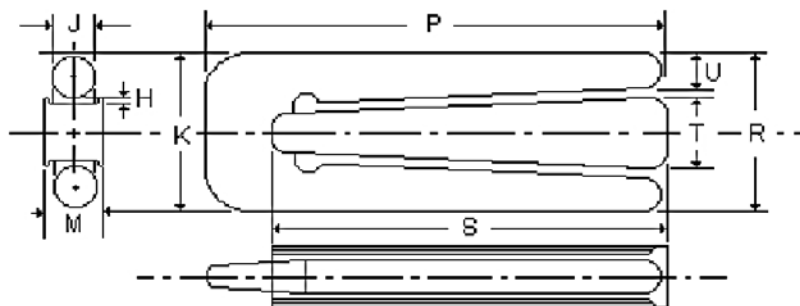


RBOC

The REPL Branch Off Clip (RBOC) is mainly used in Telecom Cable Jointing Kits. It is used to separate 2 cores of the cable that are coming out of the joint. Its outer surface is covered with a hot melt adhesive layer.

While the outer sleeve is getting shrunk on the joint, the adhesive melts and holds the 2 branches of the cable together inside the joint.



*Drawing depicts typical dimensions (Dimensions are all in mm)

E – As Supplied / S - After Free Recovery / S – Adhesive Internal Length / P – Length as per Requirement / T - Thickness

PRODUCT DIMENSIONS – RBOC Series

| SIZE | H ± 0.5 | J ± 0.5 | M | P | R ± 1 | S | T ± 1 | U ± 0.5 | K |
|--------|---------|---------|----------|---------|-------|-------------|-------|---------|--------|
| RBOC-1 | 2.5 | 5 | 12 ± 0.5 | 64 ± 1 | 28 | 55 ± 1 | 13 | 4.5 | 28 ± 1 |
| RBOC-2 | 3.0 | 6 | 13 ± 1 | 110 ± 2 | 60 | 85 ± 2 | 15.5 | 18.5 | 54 ± 2 |
| RBOC-3 | 3.0 | 6 | 13.3 ± 1 | 125 ± 2 | 85 | 103.3 ± 0.5 | 17 | 30 | 79 ± 2 |

MATERIAL SPECIFICATIONS

| CHARACTERISTIC | REQUIREMENT | TEST METHOD |
|-------------------------|--|---------------------------------|
| Material | Corrosion resistance Al. Alloy | IS-617 |
| Colour | Colour should be different from sleeve adhesive colour | Visual |
| Adhesive | Ethylene Vinyl Acetate (EVA) | Visual |
| Compatibility | Should be compatible with sleeve | Visual |
| Corrosion Resistance | No corrosion when tested for salt spray | AST M B 117 |
| Softening Point | 95 – 105°C | AST M E 28 |
| Appearance | Free from apparent contamination | AST M D 2090 |
| Viscosity at 160°C | 15,000 – 25,000mPa.s | AST M D 3236 |
| Amine Number | 3mg KOH/g (max) | AST M D 2074 |
| Acid Number | 10mg KOH/g (max) | AST M D 1980 |
| Specific Gravity | 0.97 g/cm ³ | AST M D 1963 |
| Viscosity Profile | 5000 mPa.s ; 210°C 3500 mPa.s ; 220 °C mPa.s | AST M D 3236 (RVT , spindle 27) |
| Tensile Yield | 2.2 N/mm ² | AST M D 638 |
| Tensile Break | 2 N/mm ² | AST M D 638 |
| Elongation | 800% | AST M D 638 |
| 2% Modulus | 27 N/mm ² | AST M D 638 |
| Mandrel test 100% Pass | -10 °C | AST M D 3111 |
| Shore A - Hardness | 77 | AST M D 2240 |
| Application Temperature | 200 - 220 °C | Visual |
| Marking | Mfg's identity , B.No etc. | Visual |
| Packing | Should be packed in suitable poly. bag | Visual |

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