

PVC DUCT REPAIR KITS & SPLIT DUCT (TELECOMMUNICATIONS) GENERIC SPECIFICATION



1.0 General

- 1.1 Repair kits (inc. split duct) have been developed as a means of repairing duct systems for Telecoms applications, which experience the majority of third party damage by other utilities due to the depth of burial of these systems.
- 1.2 The application area covered, within this document is telecommunications.
- 1.3 Size ranges from 96.5mm to 110mm OD, with tongue and groove connection for split duct to ensure ease of installation and security of repair, following reinstatement of excavation post repair. 53.9mm Split Duct & Repair Kits are available upon request, and Emtelle can fabricate split duct & repair kits for larger sizes and other applications, also upon request.
- 1.4 Individual Repair Kits are supplied in polythene bags, and include an installation guide, these in turn are then packed in non-returnable woven polypropylene sacks, which are bio degradable. Split Duct is manufactured in 3m lengths which is cut to size on site to suit the repair required
- 1.5 The finished product shall be printed or labelled according to customer requirements and traceable to Emtelle's ISO 9000: 2000 quality system.

2.0 Raw Material / Design / Installation

- 2.1 **Split Duct** is manufactured from PVC. Each length is 3m and is split in 2 to create to half circles, which enables cabled ducts to be repaired. Where the 2 half circles meet the wall of the duct has a tongue at one side and a groove at the other to ensure secure location of the 2 halves pre and post them being secured with Cable Straps

Repair Kits : Split Collars – 2no. (4 halves) – PVC
 Duct Liners - 6no. – Polypropylene
 Cable Straps – 8no. – Nylon

The combination of a Split Collar insert and up to 3 Duct Liners provides compatability for a range of Duct Bore diameters, dependant on the Repair Kit / Split Duct size you choose:-

<u>Split Duct / Repair Kit Size</u>	<u>Duct Bore Size Nominal</u>	<u>Duct Bore Range</u>
96.5mm	96.5mm = 90mm Bore	88mm – 95mm
110mm	110mm = 103mm Bore	98mm – 105mm

Attention should be paid to the Split collar Inserts, these are clearly marked SMALL and LARGE Diameters respectively, on each spigot end (see diagram). Either spigot end will fit in to the split duct it is designed to be used with (NB – split duct and repair kits should only be used together when the same size eg – 96,5mm split duct with 96.5mm repair kits).

- 2.2 Colour is to standard colour range Light Grey, Green, White. Dark Grey and Orange are also available to order but not generally held in stock

3.0 Product Details

(1) Repair Kits (inc. Inserts)

<u>Size (mm)</u>	<u>Colour</u>	<u>No. of Kits Per Bag</u>	<u>Product Code</u>
96.5	Green	20	2226
96.5	Grey	20	3285
96.5	White	20	3435
96.5	Orange	20	4000
110	Green	20	4508
110	Grey	20	

(2) Split Duct

<u>Size (mm)</u>	<u>Colour</u>	<u>No. of Kits Per Bag</u>	<u>Product Code</u>
96.5	Green	20	2393
96.5	Grey	20	3286
96.5	White	20	3436
110	Green	20	
110	Grey	20	4426



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