



## Hoses Ground Support Equipment

PCA = Pre Conditioned Air Hoses

 **MASTERFLEX**  
Connecting Values

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## PCA retractable & flexible hoses

Our flexible and retractable PCA-hoses are used in the aerospace environment and more peculiarly on the airports. These hoses are necessary to supply Pre Conditioned Air (PCA) to the cabins when aircrafts are grounded on the tarmac and when an Auxiliary Power Unit (APU) is not operative.

### Hose Components

- Galvanized Clip band 16 mm
- Metallic wire spiral
- Outer ply: PVC coated polyester fabric, 0.5 mm thickness, weight 680g/m<sup>2</sup>, yellow colour, B1 flame-retardant
- Inner ply: PVC coated polyester fabric, 0.2 mm thickness, weight 290g/m<sup>2</sup>, grey colour, UL94VTMO flame-retardant
- Extruded polyethylene foam is sandwiched in between the two above plies, 25 kg/m<sup>3</sup> density and 2.0 mm thickness

### Accessories

- Hoses can be equipped upon demand with zippers and Velcro strips for their protection
- Connecting cones, 2 versions: 500 mm or 700 mm long

### Hose Characteristics

- Diameters: usually available in DN 14" and on request also in DN 8" and DN 12" and others
- Length: from 5 to 31 m
- Pitch: 100 mm and 120 mm
- Retractable capability: 1 / 4.37  
i.e. 7 m section retractable to 1.60 m

### Versions

- 1-layer version: PES, coating PVC foam, thickness 1.60mm, 960g/m<sup>2</sup>, B1 flame retardant
- 2-layer version: 2 PVC coated polyester fabrics as described above, B1 flame retardant
- 3-layer version: 2 PVC coated polyester fabrics B1 flame retardant and 1 foam sheet, all as described above





### **Product Advantages**

Customers prefer our products because:

- Outside metallic clip is indestructable and protects the material from damage
- Temperature isolation efficiency is extremely high and can weather any conditions

**Also available:** hoses for Ground Support Equipment (GSE) including Air Start Unit (ASU), hoses for De/anti-icing vehicles, rubber removal for runways, runway maintenance, Bumpers for passenger boarding steps/ramps, Toilet Service Units





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