



# CS100 polymer concrete cable duct with 4-bolt solid iron lids



## Cable duct

Description	Part No.	Weight (kg)	
		cover	total
CS010 polymer concrete duct with ductile iron lids - 1m	02813	7	39
CS030 polymer concrete duct with ductile iron lids - 1m	02815	7	40
CS100 End cap	90396	0.2	

**Notes**

1. CS100 duct is sold complete, with duct and lids.
2. Preformed drill-out for DN100 or DN150 oval to round pipe on underside of duct.

## Specifications

*General*

The cable duct shall be ACO Cablemate CS100 Class G solid ductile iron 4-bolt lids as manufactured by ACO Pty Ltd.

*Materials*

Duct system bodies are manufactured from polymer concrete with minimum properties as follows:

Electrical resistivity 1 x 10<sup>8</sup> Ω /sq  
 Compressive strength: 96MPa  
 Flexural strength: 27MPa  
 Water absorption 0.07%  
 Frost proof / Salt proof  
 Dilute acid and alkali resistant  
 Surface burn characteristics of the material shall comply with UL 723  
 IP ratings up to IP4X (AS 60529) - enclosure protection against ingress

The nominal clear opening shall be 100mm with overall width of 160mm. Modular units shall be manufactured with neutral invert and have a wall thickness of at least 16mm. Each unit will feature a full radius in the duct bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring features on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The ductile iron edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail.

*Lids*

Lids are manufactured from ductile iron compliant to (AS 3996 Class G) and offer IP4X (AS 60529) protection against ingress of foreign objects. Lids are locked in place with 4 qty M10 high tensile steel bolts with friction grip washers per half metre lid. After removal of lids there shall be uninterrupted access to the duct.

*Installation*

The cable duct system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

ACO Specification Information

**ACO Limited**  
**New Zealand**  
 Ph: 0800 448 080  
 www.aconz.co.nz  
 sales@aconz.co.nz



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