

## **CABLE DUCTS (Highway Construction)**

Any product that meets the requirements of Alberta Transportation Standard Specifications for Highway Construction, Specification 2.21 Cable Ducts qualifies under this section.

### **DUCTS**

Ducts shall be 100 mm nominal inside diameter and of rigid non-metallic P.V.C. pipe. Couplings are to suit the pipe.

### **SPACERS**

Spacers shall be cast concrete or interlocking plastic designed for 100 mm standard duct on 200 mm by 200 mm centres. Wooden or metal spacers shall not be used.

### **CONCRETE**

Concrete construction shall follow the methods specified in ASTM Specifications: C150, C260, C33, A185, C309. Concrete shall have a minimum compressive strength of 20 MPa at 28 days as tested by ASTM C39. Aggregate shall have a maximum size of 19 mm. Cement shall be Type V (Sulphate Resistant) Portland Cement. Clump shall not exceed 80 mm as tested by ASTM C143. An air-entrainment agent shall be added to result in an air content between 5 and 7 percent, as tested by ASTM Test C231.

### **ROPE**

Pull rope shall be 7 mm diameter nylon cord. The rope shall be continuous through each duct with 3 metres spare at each end.

### **SEALANT**

Duct seal shall be a non-thermoplastic compound used for electrical applications, e.g. Duxseal.

### **PROPRIETARY**

<i>PROVEN PRODUCTS</i>	<i>TRIAL PRODUCTS</i>	<i>POTENTIAL PRODUCTS</i>
<a href="#">Fabick MP-551FJS Joint</a>		