

# Bioflex Ultra Rubber Covers

## RC - Blue EPDM Rubber Covered



### **Purpose**

For the most rugged applications where the hose may be subjected to rough treatment and severe external abrasion. Also for hygienic applications, where the external smoothness and cleanability of the hose is of prime importance.

### **Design**

An SS braided hose assembly has a smooth finish, blue EPDM external rubber cover extruded over and vulcanised directly onto the braid. EPDM has excellent chemical resistance, and the hose has a temperature range from -40°C, -40°F up to +140°C, +284°F. Alternative colours of rubber, and strips with alternative text titles are available to special order.

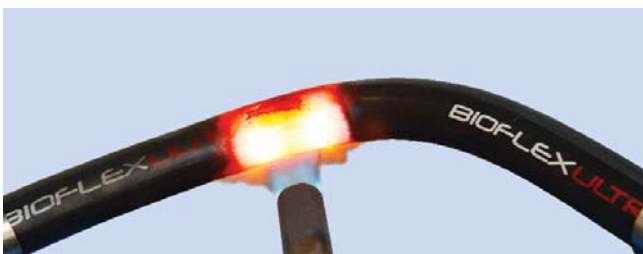
### **Specifications**

The Blue EPDM rubber cover has been tested and conforms to the requirements of USP Class VI.

### **Limitations**

Rubber covers are only applicable to SS braided hose.

## BK - Black EPDM Rubber Covered



### **Purpose**

Bioflex Ultra BK grade is designed to provide an alternative Rubber Cover which has the additional properties of making the hose Fireproof, and also making the rubber cover Anti-static.

### **Design**

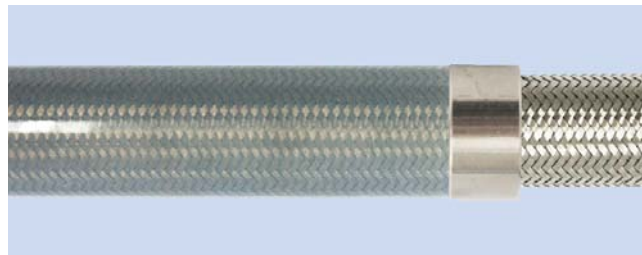
Bioflex Ultra BK grade hose is Fireproof to BS5173 Section 103.13 Part 6.2 and 6.3. When end fittings are assembled to the hose, the assembly is Fire Resistant, but can be made Fireproof by adding DBK-300 rubber cover end protection.

### **Specifications**

The Black EPDM Rubber Cover is anti-static in accordance with specification EN ISO 8031 Annex A which specifies a resistance of  $10^3$  TO  $10^8$  ohms per hose assembly, and meets the requirements for  $\Omega'$  marking if required.

**Note:** When in service at least one end fitting must be connected to Earth.

## SI - Platinum Cured Silicone Rubber Cover



### **Purpose**

As for RC hose, but where the hose may be required to withstand temperatures from -73°C, -100°F up to +204°C, +400°F. SI grade hose is semi-transparent, allowing visual monitoring of the braid.

### **Design**

An SS braided hose assembly has a platinum cured silicone rubber cover extruded directly onto the braid, with a very smooth external surface finish to aid cleaning.

### **Specifications**

The Silicone rubber cover has been tested and conforms to the requirements of USP Class VI.

## RC-300 - Rubber Covered 300mm Long End Protection



### **Purpose**

In applications where excessive flexing of the hose at the end fitting occurs, it is sometimes necessary to 'stiffen' the hose in this area, to prevent kinking.

### **Design**

A layer of rubber is applied and vulcanised directly to the ferrule, and 300mm (12 inch) along the hose from the fitting. This can be done either on an SS braided hose (RC-300) or on a rubber covered hose to form a 300mm (12 inch) long double layer of rubber at the end (DRC-300).

The rubber used is normally Blue EPDM, but if the hose is BK, or SI covered, then the same type and colour of rubber would be used (DBK-300 or DSI-300).

### **Limitations**

Cannot be applied to PB braided hose. If required for a PB hose, consult Aflex Hose for an alternative "EPR" system. (EPR includes a 300mm (12 inch) length of loose rubber hose jubilee clipped to the ferrule).