

## HOW TO MEASURE NEW STEERING CABLE

### **How to measure for new Steering Cable Installation:**

Once you have selected the Steering System from the above, it is now required to measure the length of the required Steering Cable. Each boat has a specific requirement of Cable length which depends on the length of the boat and the routing of the cable.

The required Steering Cable length should be measured as below:

Measure the dimension : A, B, and C in centimetres.

Ascertain how many 90 degree bends the cable has in the routing.

Ascertain whether the cable installation is:

Through Engine Tilt Tube

Transom Support

Splash well Mounting

Use the following method for calculating the Steering Cable Length :

1) For Installation through Engine Tilt Tube: (Diagram 1)

Add dimensions  $A + B + C$

Subtract 10 cm from the above total for each 90 degree bend in the cable routing

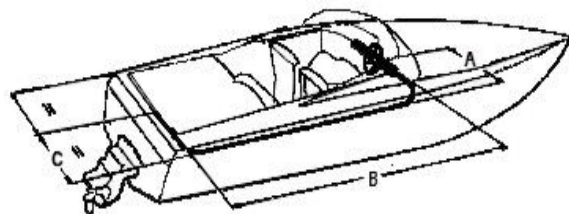
Add 30.5 cm to the above figure.

You have the required length of the Steering Cable in centimetres. If you wish to order in foot ,divide the above by 30.5 and round the figure to next foot.

Example :

If  $A = 100\text{cm}$ ,  $B = 200\text{ cm}$ ,  $C = 60\text{ cm}$ .

Assume there are two 90 degree bends in the routing.



The length of the required cable shall be :  $100 + 200 + 60 = 360$

Subtract 20 cms on account of two 90 degree bends  $360 - 20 = 340$

Add 30.5 on account of Tilt tube installation  $340 + 30.5 = 370.50$  cms

For cable length in foot :  $370.5 / 30.45 = 12.14$  Round off = 13 foot

2) For Splash well Mounting and Transom Support installation : (Diagram 2 & 3)

Add dimensions  $A + B + C$

Subtract 10 cm from the above total for each 90 degree bend in the cable routing

You have the required length of the Steering Cable in centimetres. If you wish to order in feet ,divide the above by 30.5 and round the figure to next foot



Diagram1

Example :

If  $A = 100\text{cm}$ ,  $B = 200\text{cm}$ ,  $C = 60\text{cm}$

Assume there are two 90 degree bends in the routing.

The length of the required cable shall be :  $100 + 200 + 60 = 360$

Subtract 20cms on account of three 90 degree bends  $360 - 20 = 340$  cm

For cable length in foot :  $340 / 30.5 = 11.14$  Round off = 12 foot

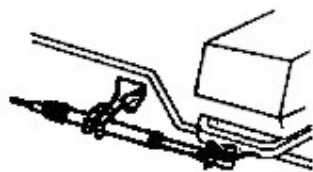


Diagram2

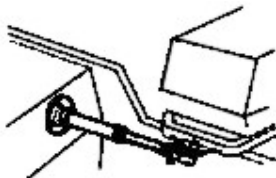
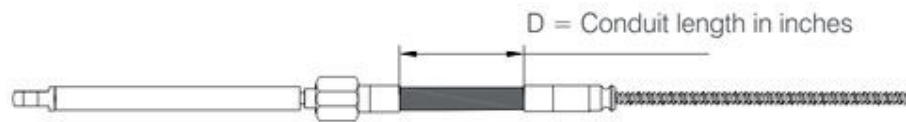


Diagram3

## HOW TO MEASURE FOR REPLACEMENT STEERING CABLE



- Measure dimension D which is the conduit length on the existing cable.
- Length of Cable to be ordered : "D" Dimension +22 inch
- To order in foot length, divide length by 12 and round up to next whole foot
- Example:  $D=150 \text{ inch} + 22 \text{ inch} = 172 \text{ inch}$
- Divide by 12 ( $172/12= 14.33 \text{ ft}$ ) Round up to 15 ft.

### • ADVANTAGES OF EDGE SERIES CABLES

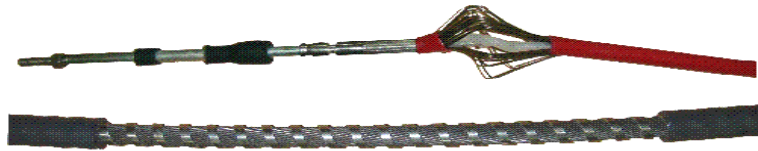
#### LONGER LIFE

Most cable failures are due to dirt penetrating the interior of the cable. Excel's long involvement with the high technology cable industry has produced a seal which is superior in the industry and used on EDGE series Cables.



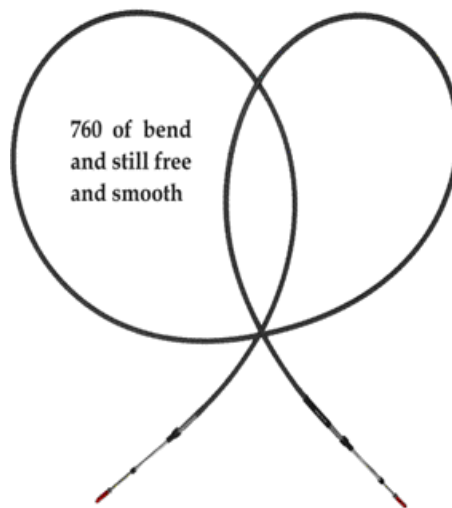
#### RUGGED

No other cable in the industry has a steel binder under the plastic cover. If the plastic cover is damaged by heat, weather or abuse - the steel binder keeps the EDGEI series cables operate even when other cables seize up.



## FLEXIBILITY

Because of its unique construction, the EDGEI series cables can be tied into knots and still continues to operate. EDGE series cables allow a bend radius, which is smaller than any other in the industry.



## RELIABLE

Most poor quality cables have more free play and also get elongated over use. This causes collateral damage to engaging components. EDGE cables are made to zero free play specifications and do not get elongated.

## ADVANTAGES

- Higher efficiency.
- Enhanced service life.
- Higher flexibility.
- Reduced bend radius.
- Complex routing possible.
- Smoother operation.

- Reduced lost motion.



**HIGHER QUALITY PAYS OFF**  
**In The Long Run It's More Profit in Your Pocket**