

## Long Fiberoptic Cables

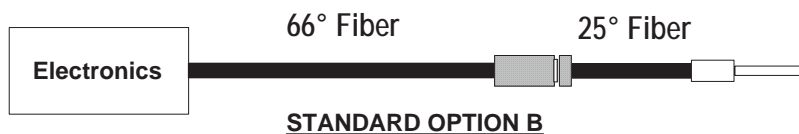
Glass fibers having light beam spreads of 25, 30 and 66° are used to produce Philtec sensors. The narrower beams give longer operating ranges.

- The standard cable length is 3 feet (914 mm).
- 25° fiber can be used with continuous lengths up to 10 feet.
- 30° fiber can be used with continuous lengths up to 29 feet.
- 66° fiber can be used with continuous lengths up to 49 feet.

*Note: Specifications for light beam spread are given in the Product Data Sheets for each model sensor.*

### OPTIONS

Applications of 25° fiber, such as the model D171, can be extended to long lengths by using Option B. 66° fiber is used for the long run from the amplifier to an in-line connector. The high loss 25° fiber is used for a short run from the connector to the sensor tip.



### NOTES

1. Sensors with the longest cables have 2x higher noise levels.
2. Please consult the factory when combining Options B,E and/or H.

**Long Cables.** This table shows the longest continuous cables that can be provided.

Maximum Continuous Cable Length					
Model	Feet	Meters	Model	Feet	Meters
D6	29.5	9	RC12	29.5	9
D12	29.5	9	RC20	49.5	15
D20	49.5	15	RC25	49.5	15
D21	29.5	9	RC60	49.5	15
D47	29.5	9	RC62	49.5	15
D63	49.5	15	RC63	29.5	9
D64	29.5	9	RC90	10	3
D100	29.5	9	RC100	29.5	9
D125	29.5	9	RC140	49.5	15
D169	29.5	9	RC171	10	3
D170	10	3	RC190	10	3
D171	10	3			