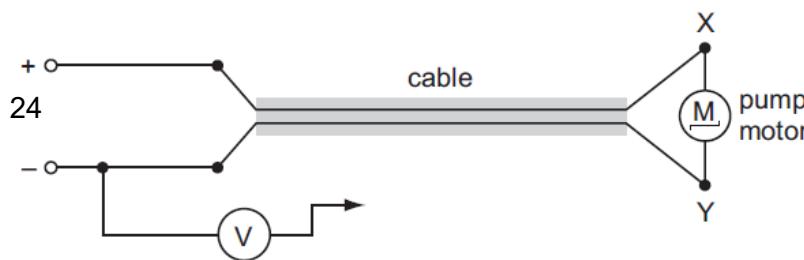


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The diagram shows the electric motor for a garden pump connected to a 24 V power supply by an insulated two-core cable.



The motor does not work, so to find the fault, the negative terminal of a voltmeter is connected to the negative terminal of the power supply and its other end is connected in turn to terminals X and Y at the motor.

Which row represents the correct conclusion from two voltmeter readings?

	<i>voltmeter reading connected to X / V</i>	<i>voltmeter reading connected to Y / V</i>	<i>conclusion</i>
A	24	0	break in positive wire of cable
B	24	12	break in negative wire of cable
C	24	24	break in connection within the motor
D	24	24	break in negative wire of cable