Recommended ropes for for ASAT power ascender:

Based on multiple tests, ASAT has found:

For ropes with a relatively dense weave, when used with an ASAT power ascender under the same load, the rope's radial deformation is relatively small, the friction between the rope and the sheave is high, and the rope runs smoothly through the device. For ropes with a relatively loose weave, when used with an ASAT power ascender under the same load, the radial deformation is relatively large, and the friction between the rope and the sheave is low. This may lead to two consequences: first, the rope is prone to slipping on the sheave; second, the rope does not feed out of the sheave smoothly and tends to accumulate inside the sheave, which can cause damage to the rope or the device.

According to the test above, ASAT suggests the rope in the list can be used with our power ascender.

For ACE-51

Items	Brand	Reference	Diameter	Place of production
1	ASAT	AR-TS03-11	11mm	China
2	EDELRID	PROSTATIC SYNCTEC	11mm	Germany
3	EDELRID	STATIC LOW STRETCH	11mm	Germany
4	Petzl	AXIS	11mm	France
5	STERLING	WorkPro	11mm	USA
6	TEUFELBERGER	Ultrastatic	11mm	Austria
7	TEUFELBERGER	KMIII	11mm	Austria
8	Courant	Bandit	11mm	France