

TECHNICAL DATA

FUNICULAR SAN SALVATORE



COURSE

Length	1629 m
Minimum gradient	16% / 9.7°
Maximum gradient	61% / 31°
Track gauge	1 m
Bottom terminal height	282 m a.s.l.
Middle station height	491 m a.s.l.
Top terminal height	883 m a.s.l.
Vertical rise	601 m
Speed	3.5 m/s
Transport capacity max.	240 p. p. h.
Course length	12 minutes
Sections	2

ENGINE

Engine station	Lugano-Pazzallo
Engine	Alternate current motor
Power	200 kW with ACS multi drive module
Emergency motor	Diesel

CABLE AND SAFETY

Length	1800 m
Diameter	33 mm
Weight	7,85 tonnes
Installation new pulling cable	February 2024
Brakes	Automatic hydraulic/ electrical combination

CARRIAGES

Capacity max.	60 persons + 1
Empty weight	10 tonnes
Entered service	March 2024

OTHER DATA

Start facilities construction	24 th July 1888
First time in service	27 th March 1890
Last renovation	11 th March 2024
Renewal of the federal concession	up to 2040
Annual transport on average	220'000 passengers