

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	1737 m
Diameter	33 mm
Weight	7 t
Installation new pulling cable	March 2011
Brakes	Automatic hydraulic/electrical combination

CARRIAGES

Capacity max.	68 persons + 1
Entered service	March 2001

OTHER DATA

Start facilities construction	24 th July	1888
First time in service	27 th March	1890
Last renovation	16 th March	2001
Renewal of the federal concession up to 2040	March	2016
Annual transport on average	180'000 / 200'000 passengers	