

TECHNICAL DATA

FUNICULAR SAN SALVATORE



COURSE

Track length	1629 m
Minimum gradient	16% / 9.7°
Maximum gradient	61% / 31°
Track gauge	1 m
Bottom station height	282 m a.s.l.
Middle station height	491 m a.s.l.
Top station height	883 m a.s.l.
Vertical rise	601 m
Speed	3.5 m/s
Max. passenger-carrying capacity	240 p. p. h.
Journey time	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 of new pulling cable	March 2011
Brakes	Automatic hydraulic/electrical combination

CARRIAGES

Max. capacity	68 persons + 1
Entered service	March 2001

OTHER DATA

Construction started	24th July 1888
First time in service	27th March 1890
Last renovation	16th March 2001
Renewal of the federal licence up to 2040	March 2016
Transport on average (March-November)	160'000 / 180'000 passengers