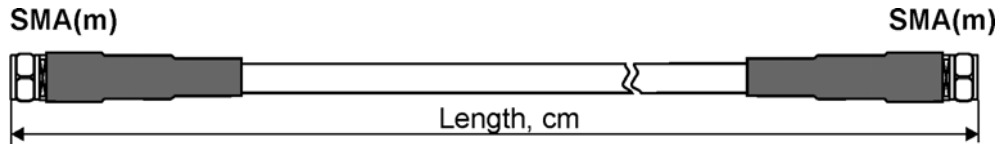


**18 GHz Low Loss test cable assemblies SMA(m) – SMA(m)
GZ2.LTCA210A.001TS**



Type	Length
LTCA210A-A30A30-050	50 cm
LTCA210A -A30A30-XXX	XXX cm

- Connector1:** SMA-male (MIL-STD-348A/310) , Passivated st.steel
- Connector2:** SMA-male (MIL-STD-348A/310), Passivated st.steel
- Cable type:** similar with UFA210A, Sucoflex 104, Semflex HP190S, IW Microwave 1801
- Dielectric:** LD PTFE, velocity of propagation 80%
- Cable jacket:** FEP, light blue, external diameter 5,33 mm, no suffix :LTCA210A
Polyurethane +Yarn, external diameter 7,3 mm, no suffix :LTCA210AD

Maximal Insertion Loss IL of cable:

- 0,26 dB/m @ 1 GHz
- 0,60 dB/m @ 5 GHz
- 0,94 dB/m @ 10 GHz
- 1,18 dB/m @ 18 GHz
- 1,47 dB/m @ 26,5 GHz

- Power Handling (CW) 248 W @ 10GHz
- Min. Dynamic Bending Radius 9,7 mm
- Weight (without armour) 66,0 g/m

Nominal electrical characteristics of LTCA210A-A30A30-XXX

- Impedance 50 Ohm
- Frequency range DC to 18 GHz
- VSWR (Return loss) 1,15(-23 dB)
- Phase stability Vs. Bending 2° @ 10 GHz
(wrapped around 7,5 cm mandrel) 3° @ 18 GHz
- Assembly insertion loss (25 deg C) $IL \times L(m) + 0.1 \times 2\text{-th root } F(\text{GHz})$

Mechanical characteristics

- Temperature range -55 ÷ +125°C
- Flex life 10 000