SPECIFICATION

Part No. : **CAB.X07**

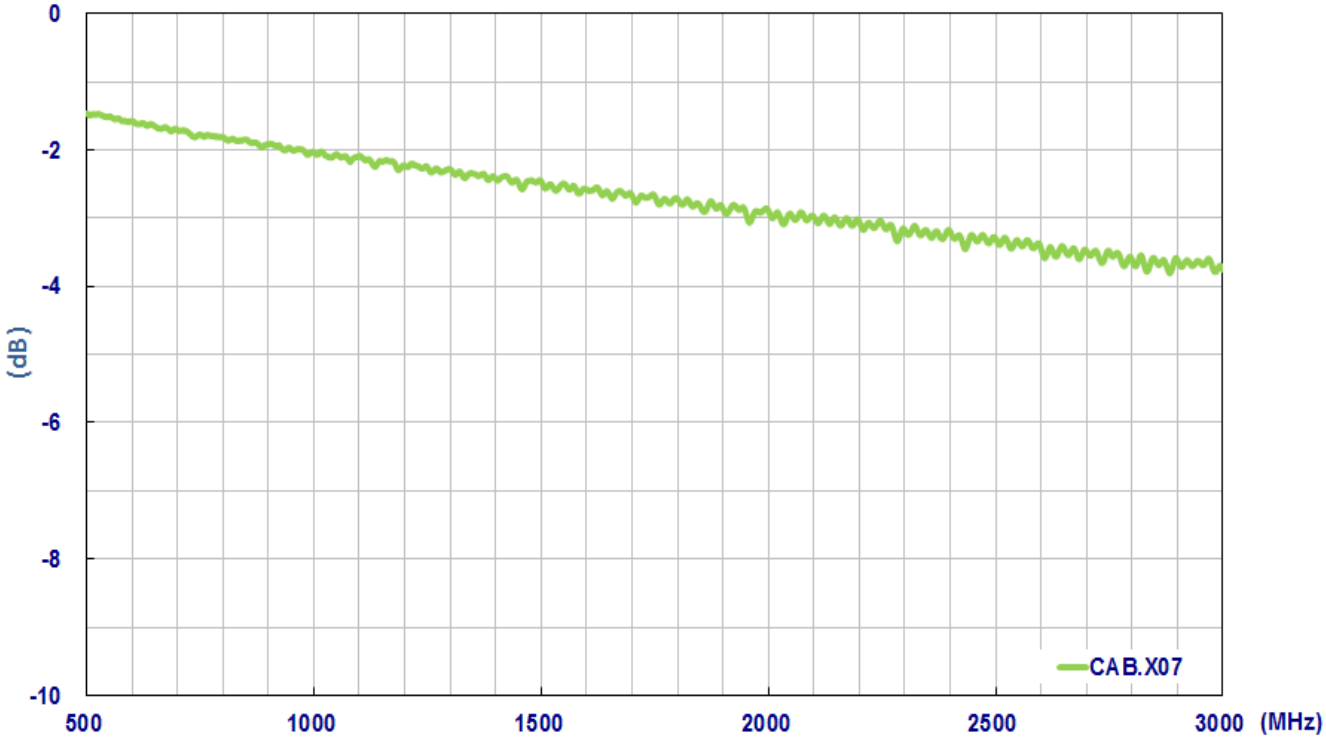
Product Name : Taoglas Magnet Mount Antenna Base Cable Assembly SMA(F) on base to SMA(M) Straight Plug on cable with 5M(16.40ft) CFD-200 cable

Photo :



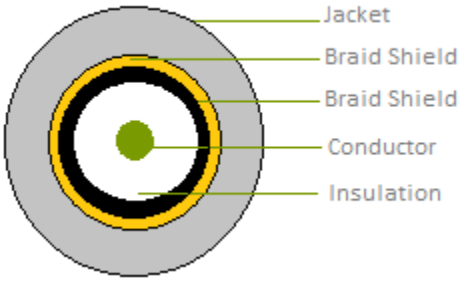


1. Cable Insertion Loss

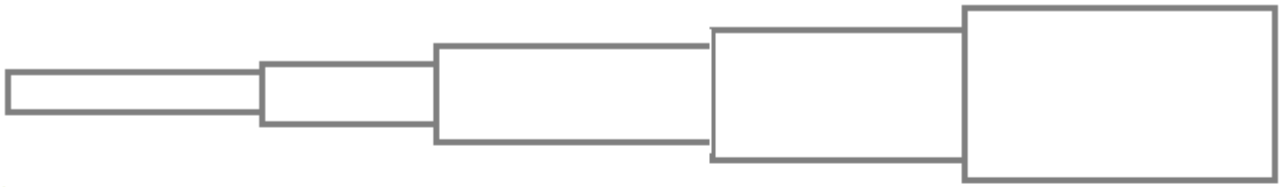


2. CFD-200 Cable Specification

2. Drawing – Cross Section



2.2 Structure and Dimensions



Conductor
- Material – Bare Copper Wire
- Composition (1/1.02 mm)
- Diameter – 1.02mm

Insulation
- Material – Foam Polyethylene
- Avg. Thickness- 0.95mm
- Diameter – 2.9 ± 0.1mm

Braid Shield
- Material–Aluminium Foil
- Construction – 0.020mm

Braid Shield
- Material–Tinned-Copper Wire
- Structure – 16/6/0.12mm
- Coverage – 87%
- Diameter – 3.4 ± 0.05mm

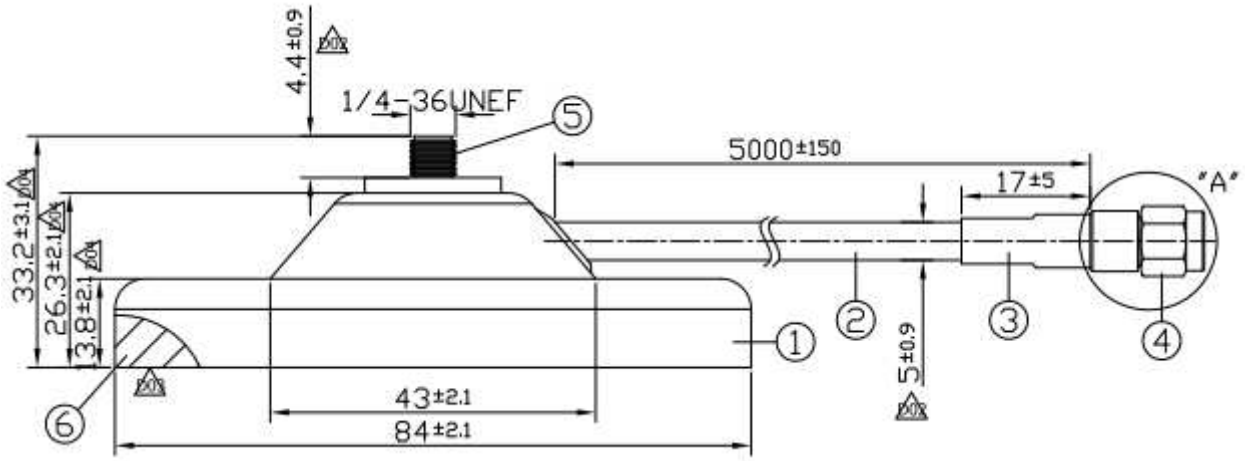
Jacket
- Material – RoHS PVC
- Diameter – 5.0 ± 0.15mm
- Colour – Black

2.3 Electrical & Physical Specification

ELECTRICAL						
Attenuation	150MHz	450MHz	900MHz	1500MHz	1800MHz	2500MHz
dB/100M	12.1	21.6	31.2	41.1	45.3	54.4
Insulation Resistance	1000 MΩ-Km (Min)					
Capacitance	80.4 ± 3 pF/m					
Nom. Impedance	53 ± 3 Ω					
MECHANICAL						
Cable Type	CFD-200 coaxial cable					
Cable length	5 Meters (16.40ft)					
Connector	SMA(M) SMA(F) Magnet Mount					
Connector Max. Torque	0.9N·m					
Magnetic Pull Force	2.92kgf					
Weight	440g					
Magnet	Ferric Oxide					
ENVIRONMENTAL						
Temperature Range	-40°C to 85°C					
Humidity	Non-condensing 65°C 95% RH					

3. Technical Drawing

3.1 CAB.X07



	Name	Material	Finish	QTY
1	SMA(F) Magnet Mount	ASA	Black	1
2	CFD200 Coaxial Cable	PVC	Black	1
3	Heat Shrink Tube	PE	Black	1
4	SMA(M) ST	Brass	Gold	1
5	SMA(F) ST	Brass	Gold	1
6	Magnet	Magnet T30	N/A	1

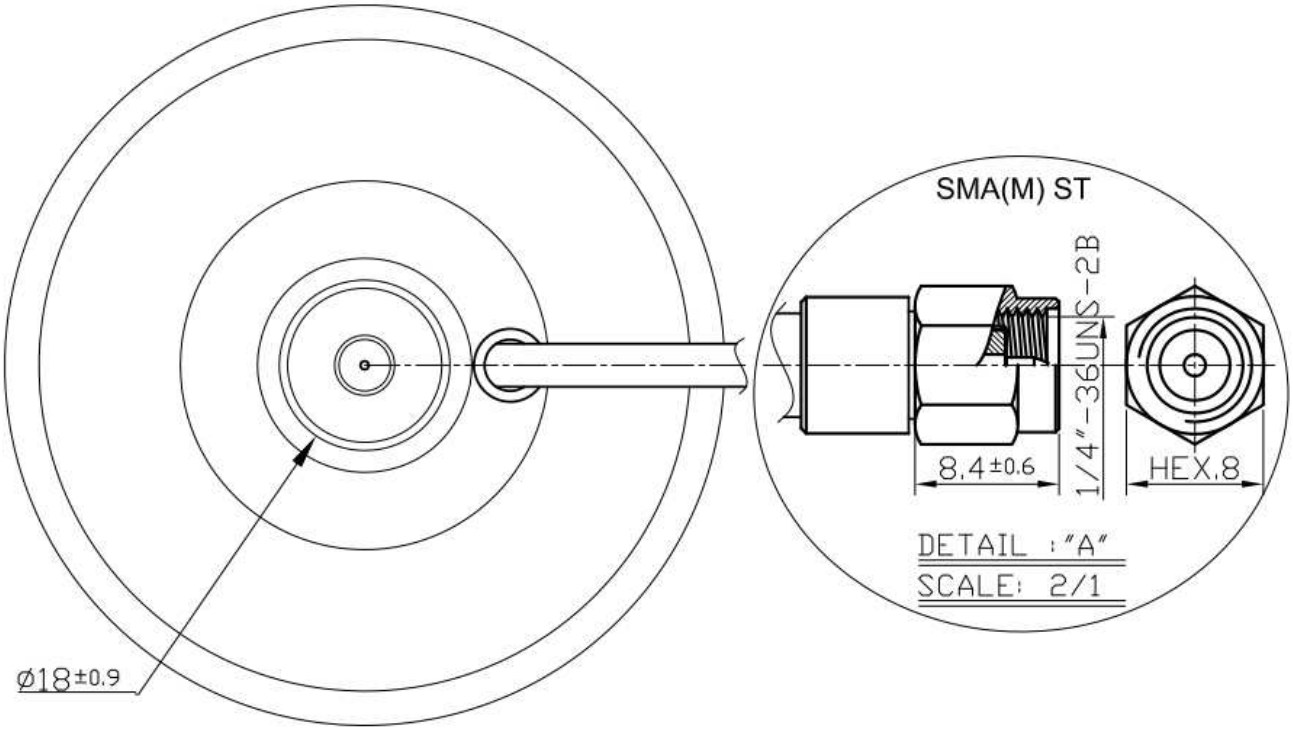
Note:

Minimum Bend Radius:12.7mm

SMA Connector Recommended Torque for Mounting is 0.9N·m

Maxium Torque for Mounting is 1.176 N·m

3.2 Connectors

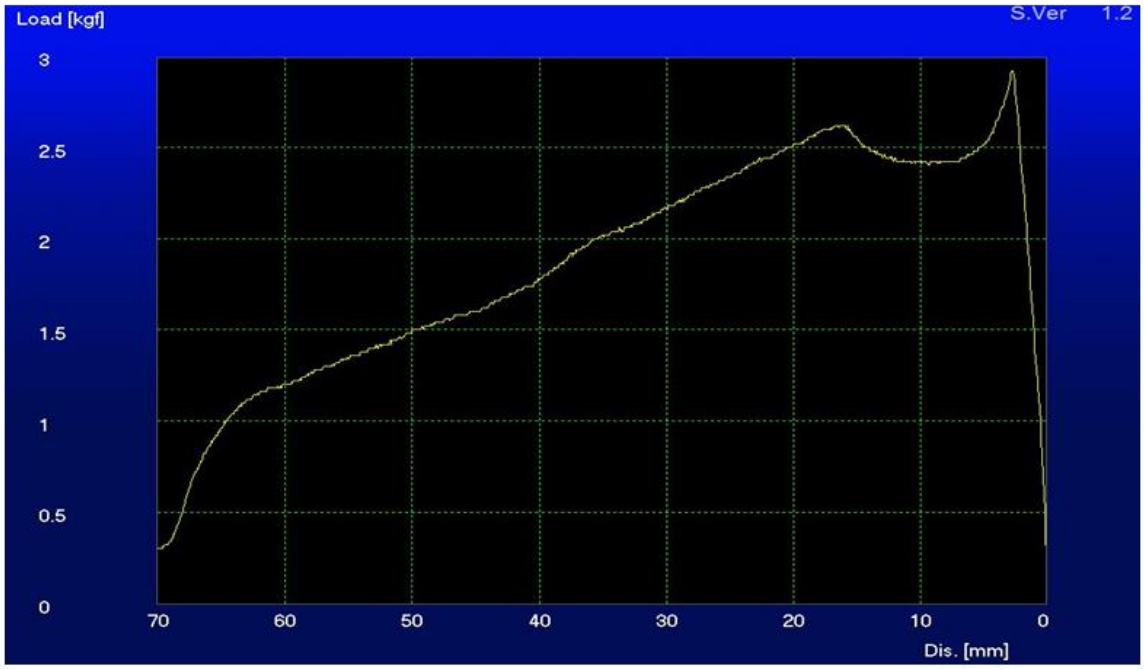


4. Magnetic Pull Force (kilogram-force, kgf)

4.1 Testing setup

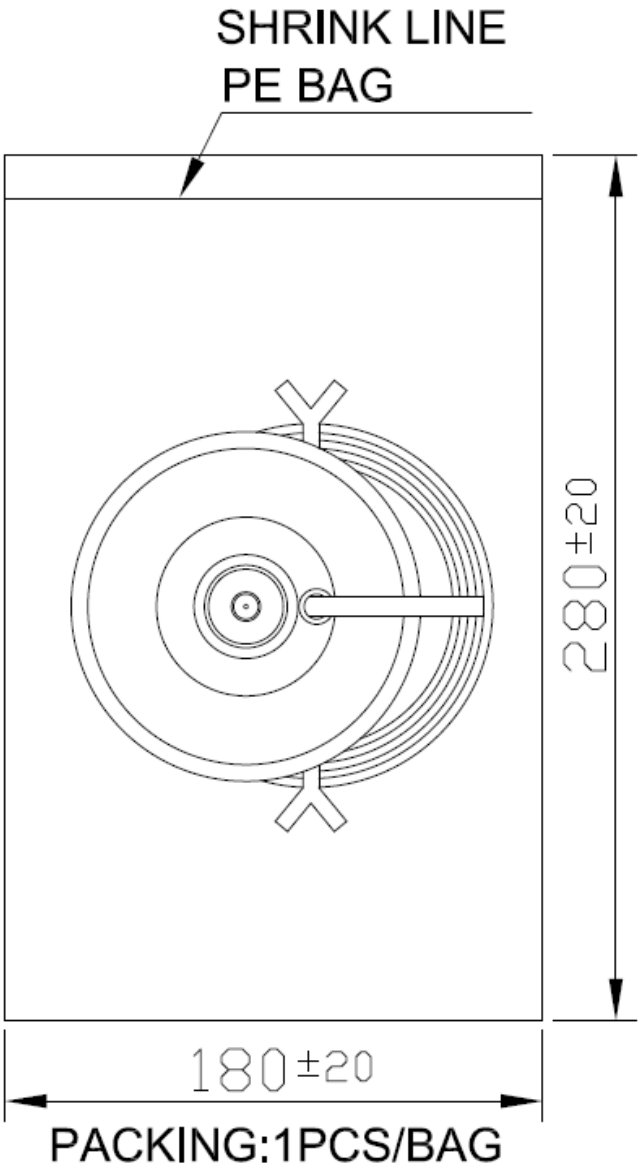


Distance(mm)	0.5	1.0	1.5	2.0	2.5	2.8	3.5	4.0	4.5	5.0
Pulling force(Kgf)	0.86	1.37	1.86	2.32	2.75	2.92	2.73	2.65	2.58	2.52
Distance(mm)	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
Pulling force(Kgf)	2.49	2.46	2.44	2.42	2.42	2.42	2.42	2.41	2.41	2.42



Maximum Pull Force : 2.92kgf

5. Packaging



Unit: mm