

1/2" Ultra Soft Cable
Electrical specifications

Frequency range	DC to 10GHz
VSWR	≤1.08(DC~1.0GHz) ≤1.12(1.6~2.7GHz) ≤1.30(3.2~5.8GHz)
Impedance	50Ω
Dielectric strength	2500 V DC, 1 minute
Insulation resistance	≥10000 MΩ @20 °C
Center contact resistance	≤2.9Ω/km @20 °C
Outer contact resistance	≤5.3Ω/km @20 °C
Mutual capacitance(Reference)	83pF/m
Shielding effectiveness	≥120dB (30~1000MHz)
Relative propagation velocity	83% (Typical)
Attenuation	≤ 4.1dB/100ft on 3GHz

Note: Nominal attenuation at 20 °C cable temperature (typical).Maximum value +5%.

Mechanical specifications

Certification	2006/95/EC(LVD)
Reference weight	14.5kg/100m
Max tensile force	800N
Flat plate crush resistance	19.6N/mm
Double 85 (85°C±2°C, 85°C±2°C,1000h)	No crack
Minimum bending radius	17mm (Single) / 55mm(Repeated)
Cable outer jacket	Black PE
Jacket tensile strength	≥15MPa (Before aging) ≥10MPa , ≤±30% (Aged)
Jacket elongation	≥500% (Before aging) Variety rate ≤±30% (Aged)
Operating temperature	-55 °C ~ +85 °C
Storage temperature	-40 °C ~ +85 °C
Min. Installation temperature	-25°C
IP grade	IP67



Inner conductor : 3.58±0.03 mm

Insulation : 9.8±0.15 mm

Outer conductor : 9.65±0.25 mm

Outer jacket : 13.4±0.2 mm