

7/8" Super cable
Electrical specifications

Frequency range	DC to 5GHz
VSWR	≤ 1.15 (DC~2.2GHz) ≤ 1.20 (2.2~3.8GHz) ≤ 1.40 (5.0~5.8GHz)
Impedance	50 Ω
Dielectric strength	10000 V DC, 1 minute
Insulation resistance	≥ 10000 M Ω @20 °C
Center contact resistance	$\leq 2.6\Omega$ /km @20 °C
Outer contact resistance	$\leq 1.75\Omega$ /km @20 °C
Mutual capacitance(Reference)	76pF/m
Shielding effectiveness	≥ 120 dB (30~1000MHz)
Relative propagation velocity	87% (Typical)
Attenuation	≤ 2.6 dB/100ft on 3GHz

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

Mechanical specifications

Certification	2006/95/EC(LVD)
Reference weight	41kg/100m
Max tensile force	1590N
Flat plate crush resistance	14N/mm
Double 85 (85°C \pm 2°C, 85°C \pm 2°C,1000h)	No crack
Minimum bending radius	127mm (Single) / 250mm(Repeated)
Cable outer jacket	Black PE
Jacket tensile strength	≥ 15 MPa (Before aging) ≥ 10 MPa , $\leq \pm 30\%$ (Aged)
Jacket elongation	$\geq 500\%$ (Before aging) Variety rate $\leq \pm 30\%$ (Aged)
Operating temperature	-55 °C ~ +85 °C
Storage temperature	-40 °C ~ +85 °C
Min. Installation temperature	-25°C
IP grade	IP67



Inner conductor : 9.0 \pm 0.1 mm

Insulation : 22.2 \pm 0.2 mm

Outer conductor : 7 \pm 0.4 mm

Outer jacket : 27.3 \pm 0.3 mm