

TECHNICAL DATA

REV	DESCRIPTION OF REVISION	ECN No.	BY	DATE	APPROVED
Rv01	N/A	N/A	J.Wang	2013-5-19	Karl Pan

■Electrical Characteristics

Capacitance (Pf/M)	76
Impedance (Ohm)	50
Velocity(%)	88
Peak Power Rating (KW)	91
RF Peak Voltage (KV)	3
ulation Resistance(MΩ .km)	>5000
Cut-off Frequency (GHz)	5.2
Insulation Voltage (KV)	10
Inner Conductor DC Resistance (Ω/km)	1
Outer Conductor DC Resistance (Ω/km)	1.2
Jacket Spark (KV)	8
VSWR≤(Return Loss ≥ dB)	0.005-3GHz 1.15 (23) 0.8-1GHz 1.10 (26) 1.7GHz-2GHz 1.10 (26) 2GHz-2.4GHz 1.10 (26)
ielding Effectiveness (dB)	>120

■Mechanical and Environmental

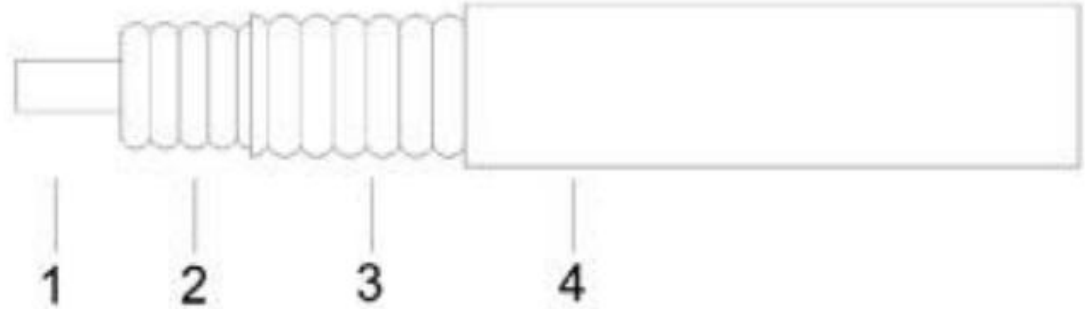
Single Bending Radius(mm)	90
peated BendingRadius (mm)	250
No. of Bends	15
Mobile Apply (mm)	500
Bending Moment (N.m)	16.3
Tensile Strength (kg)	147
Storage Temp (℃)	-55 to +85
Installation Temp (℃)	-40 to +60
Operating Temp (℃)	-55 to +85

■Attenuation (Typical)

Frequency (MHz)	Attenuation (↗dB/100m Avg. Power (KW)	
100	1.17	8.62
200	1.69	5.99
450	2.6	3.88
800	3.56	2.83
900	3.8	2.65
1000	4.03	2.5
1500	5.08	1.99
1800	5.61	1.79
2000	6.05	1.68
2200	6.4	1.59
2400	6.75	1.54
2500	6.9	1.5
3000	7.6	1.33

■Interface Standards

IEC 60169-16 /MIL-C-39012/CECC22210



■Construction Specification

Item	Material	Diameter (mm)
1. Inner Conductor	Smooth Copper Tube	9
2. Dielectric	Physical Foam Polyethylene	22.5
3. Outer Conductor	Corrugated Copper Tube	24.9



5. Jacket

Black PE

27.7

NOTES:

- 1.ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITH NOTICE AT ANY TIME
- 2.CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

Part Name:	WORLDPEAK® www.RF-connectors.com			
7/8 Feeder Cable				
	  DIMENSIONS IN MILLIMETERS(mm)			
	SIZE: A4	SCALE: 4:1	SHEET: 1/1	REV: A