QR1500

Low Loss

Features:
* Low Insertion Loss
* High Weatherability
* UV Resistant

Applications:
* Wireless Communication
* Microwave Interconnect

Electrical

Frequency:	DC~5.8GHz
Cut-off Frequency:	10.3GHz
Impedance:	50Ω
Velocity of Propagation:	87%
Shielding Effectiveness:	90dB min.
Voltage Withstand:	4000V DC

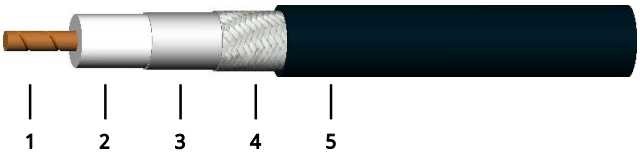
Mechanical

Bend Radius (installation):	38.0mm
Bend Radius (repeated):	152.0mm
Weight:	200g/m

Environmental

Temperature:	-40~+85℃
Outdoor Life:	20 years

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	4.47	Copper-clad aluminum
2	Dielectric	11.56	Foam PE
3	Outer Conductor	11.72	Double-edged aluminum foil
4	Outer Shield	12.45	Tin-plated copper braid
5	Jacket	15.00	PE

Attenuation & Power Handling

Frequency (GHz)	0.03	0.05	0.15	0.22	0.45	0.9	1.5	1.8	2	2.5	5.8
Attenuation*1 (dB/100m)	1.4	1.8	3.2	3.9	5.7	8.4	11.1	12.3	13.0	14.8	24.2
Average Power*2 (W)	5510	4240	2410	1970	1350	930	700	630	590	520	320

[1] VSWR:1.0; Ambient: +25℃ (77℉)
[2] VSWR:1.0; Ambient: +40℃ (104℉); Sea level

How To Order

QR1500-X-Y-Z

X: Frequency in GHz
Y: Connector type
Z: Length in meters

Examples:
To order a QR1500 cable assembly, DC-5.8GHz, SMA male to SMA female, 1.5 meter, specify QR1500-5.8-SSF-1.5.

Connector naming rules:
7 - 7/16 DIN (L29)

Female Connector - Add ‘F’ after connector name
Right Angle - Add ‘R’ after connector name (VSWR increase 0.1)