

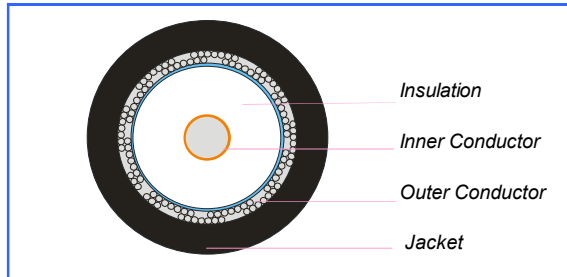


PAR-400

Low Loss 50 Ohm Wireless RF Transmission Cable

Part No. : 2457

Cross Section



Electrical Characteristics

Characteristic Impedance	50+/- 2 ohm
Capacitance	78 pF/m
Velocity ratio	85 %
DCR: Inner Conductor	< 4.6 ohm/km
DCR: Outer Conductor	< 6.0 ohm/km
Jacket Sparker	8000 V RMS
Dielectric Strength	2500 V DC
Insulation resistance	> 10,000 MΩ·km
Peak Power	16 KW

Shielding Effectiveness	>90 dB
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SWR	30-2500 MHz	< 1.25
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Inductance	0.20 uH/m
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Attenuation (at 20 °C)	dB/100m	Power kw
30 MHz	2.20	2.09
50 MHz	2.90	1.62
150 MHz	5.00	0.92
220 MHz	6.10	0.76
450 MHz	8.90	0.52
900 MHz	12.80	0.36
1500 MHz	16.80	0.28
1800 MHz	18.60	0.25
2000 MHz	19.60	0.24
2500 MHz	22.20	0.21
5800 MHz	35.50	0.13

Maximum attenuation is 10% higher.

Cable Description

Inner Conductor	CCA
Conductor Dia.	2.74+/-0.02mm
Min.Break Strength	640 N
Insulation	Foam P.E.
Insulation Dia.	7.24 +/-0.15mm
Color	Neutral
Centricity	≥ 85%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥ 115 %
Outer Conductor	TC Wire Braid
Coverage	95 +/-3%
Overall Braid	8.13 +/-0.05mm
Jacket	PE/ PVC / LSZH
Outer Dia	10.29 +/-0.15mm
Color	According to customer

Marking

According to customer

PACKAGING

According to customer

Mechanical Characteristics

Min.Bending Radius:	
Installation	25 mm
Repeated	102 mm
Max.Pulling Tension	740
Crush resistance of cable (load of 700N)	< 1 %
Rated Temperature	
Storage/operating temperature	-40~+85 °C
Outdoor Installation	-5°C
Weight per foot of cable	0.39 kg

Revision History

Defined by: Bob	Rev: A/0
Prepared by: Zell	Date: 2014-03-06
Approved by: D.L. Chin	Page: 1 of 1

RoHS Guideline

Cadmium content (Cd)	< 0.01 %
Lead content (Pb)	< 0.1 %
Mercury content (Hg)	< 0.1 %
Chromium (VI) content	< 0.1 %
Polybrominated Biphenyls (PBB)	< 0.1 %
Polybrominated Diphenyl Ether (PBDE)	< 0.1 %

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