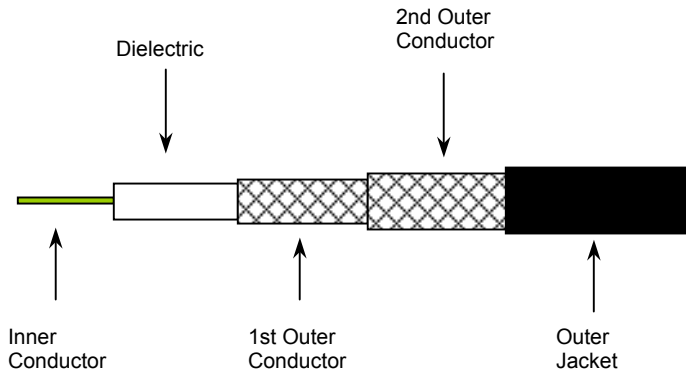


TFC/U-JIN Coaxial Cable Product Information Sheet

Type: RG-142



Series 142 Coaxial Cable
 Solid Silver-coated Copper Clad Steel
 Conductor
 Solid Poly Tetra Fluoro Ethylene
 Dielectric
 95% Silver-coated Copper Braid
 93% Silver-coated Copper Braid
 Fluorinated Ethylene Propylene Jacket

Cable Ordering Information

Part Number	MI Number	NEC / CSA Listing	
RG-142	-	none	MIL-C-17/60C

Characteristics

Material	Detail	inches	mm
Inner Conductor	Stranded Silver-coated Copper	0.037	0.94
Dielectric	Solid PTFE	0.116	2.95
1 st Outer Conductor	---	---	---
2 nd Outer Conductor	95% Silver-coated Copper Braid	0.139	3.52
3 rd Outer Conductor	92% Silver-coated Copper Braid	0.162	4.11
4 th Outer Conductor	---	---	---
Floodant	---	---	---
Jacket	FEP	0.195	4.95
Twisted Pairs	---	---	---
Messenger	---	---	---

Mechanical Specifications

Minimum Bend Radius, in. (mm)		1.17	29.7
Product Weight	(less reel)	43 lbs /kft	64 kg/km
Operating Temperature Range		-55 ~ 200	

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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Electrical Specifications		
Characteristic Impedance, Ω	50 \pm 2	
Velocity of Propagation, %	69	
Capacitance, Nominal	29.4 pF/ft	96.5 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	195	640

Notes:

Attenuation, Nominal @ 68 °F (20 °C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
100	5.5	18.05
400	11.7	38.39
1000	19.0	62.34
3000	35.0	114.83
5000	48.0	157.48

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