



RGC213 RGFLEX™ Foam-Dielectric Coax Braided Cable

Product Description

RGC series

DUAL SHIELDED (aluminium foil plus tinned copper braid shield),
 TRISHIELD (aluminium foil plus tinned copper braid shield plus aluminium foil) and
 QUADSHIELD (aluminium foil plus tinned copper braid shield plus aluminium foil plus tinned copper braid)
 coaxial cable in 50- and 75-ohm variants, for broadband, Internet service provider, rural telephony and satellite
 communication applications

Application: OEM jumpers, BTS inter-cabinet connections, GPS lines, Microwave IF cabling



RGC213 RGFLEX™ Foam-Dielectric Coax Braided Cable

Features/Benefits

Technical Features

Structure

Cable Type	Foam-Dielectric, Braid/Foil Shield		
Size:	5/16"		
Inner conductor:	Copper Wire	[mm (in)]	2.55 (0.1)
Dielectric:	Foam Polyethylene	[mm (in)]	7.25 (0.29)
Outer conductor:	1st shield: Al/PET foil bonded to the core with 100% of coverage; 2nd shield: Tinned copper braid with 78% of coverage	[mm (in)]	7.75 (0.31)
Jacket:	Polyethylene, PE	[mm (in)]	10.15 (0.4)
Jacket Color			

Mechanical Properties

Weight, approximately	[kg/m (lb/ft)]	0.12 (0.081)
Minimum bending radius, single bending	[mm (in)]	50 (1.97)
Minimum bending radius, repeated bending	[mm (in)]	205 (8.07)

Electrical Properties

Characteristic impedance	[Ω]	50 +/- 2
Relative propagation velocity	[%]	80
Capacitance	[pF/m (pF/ft)]	82 (25)
Inductance	[μH/m (μH/ft)]	0.205 (0.062)
Max. operating frequency	[GHz]	3
DC-resistance inner conductor	[Ω/km (Ω/1000ft)]	3.5 (1.07)
DC-resistance outer conductor	[Ω/km (Ω/1000ft)]	8.71 (2.66)

Recommended Temperature Range

Storage temperature	[°C (°F)]	-70 to 85 (-94 to 185)
Installation temperature	[°C (°F)]	-40 to 85 (-40 to 185)
Operation temperature	[°C (°F)]	-50 to 85 (-58 to 185)

Other Characteristics

Fire Performance: Halogene Free

Other Options:

Frequency [MHz]	Attenuation		av. nom. Power
	[dB/100m]	[dB/100ft]	
0.5	0.500	0.152	
1	0.700	0.213	
5	1.50	0.457	
10	1.60	0.488	
20	2.0	0.610	
30	2.30	0.701	
50	2.90	0.884	
88	3.80	1.16	
100	4.10	1.25	
108	4.30	1.31	
150	5.20	1.58	
174	5.60	1.71	
200	6.10	1.86	
300	7.60	2.32	
400	8.90	2.71	
450	9.50	2.90	
500	10.0	3.05	
512	10.2	3.11	
600	11.2	3.41	
700	12.2	3.72	
800	13.2	4.02	
824	13.4	4.08	
894	13.9	4.24	
900	14.0	4.27	
925	14.3	4.36	
960	14.6	4.45	
1000	14.9	4.54	
1250	16.9	5.15	
1500	18.8	5.73	
1700	20.2	6.16	
1800	20.9	6.37	
2000	22.3	6.80	
2400	25.2	7.68	

Attenuation at 20°C (68°F) cable temperature
 Av. nom. Power at 40°C (104°F) cable temperature

All information contained in the present datasheet is subject to confirmation at time of ordering