RG213/U Coaxial Cable 50 Ohms

according to MIL-C-17

CONSTRUCTION

Inner Conductor

Insulation

Outer Conductor

Jacket

PROPERTIES

Min.Bending Radius:		
Installation	73,4	mm
Repeated	217,8	mm
Max.Pulling Tension	1627,6	N
Crush resistance of cable (load of 700N)	< 1	%
Rated Temperature		
Storage/operating temperature	-40~+75	°
Outdoor Installation	-20	°

PHYSICAL SPECIFICATIONS

Inner Conductor	Bare Copper Stranding Wire
Conductor Dia.(+/-0.02mm)	7 / 0.724
Min.Break Strength (N)	1523
Insulation	Solid P.E.
Insulation Dia.(+/-0.1mm)	7,24
Color	Neutral
Centricity (%)	85
Adhesion	10 to 100N @ 25mm
Outer Conductor	Bare Copper Wire Braid
Conductor Dia.(+/-0.01mm)	0,18
No. of Wires	192
Coverage (+/-3%)	95
Picks/dm	20,0
Lay length (mm)	35
Jacket	PVC
Outer Dia (+/-0.1mm)	10,30
Color	BLACK
Tensile strength	12.5 N/mm^2
Elongation at break	150 %

Printing:

ELECTRICAL CHARACTERISTICS

Characteristic Impedance		50	+-3ohm
Capacitance		101	±2pF/m
Velocity ratio		> 66	%
DCR: Inner Conductor		< 5.8	ohm/km
DCR: Outer Conductor		< 5.0	ohm/km
Jacket Sparker		2500	VCA
Dielectric Strength		1000	VCA
Recturn loss	5-1000MHz	23	dB
	1000-2500MHz	18	dB
Insulation resistance		> 100,000	ÌÙ·km
Shielding Effectiveness	100-1000 MHz	> 65	dB

Frequency (at 20 .)	**MAX. Attenuation**	
1 MHz	0,59	dB/100m
10 MHz	2,03	dB/101m
50 MHz	4,92	dB/100m
100 MHz	6,86	dB/100m
200 MHz	9,84	dB/100m
400 MHz	15,75	dB/100m
700 MHz	21,33	dB/100m
900 MHz	24,94	dB/100m
1000 MHz	30,18	dB/100m

Revision History