

Cable RG-8 multifilar 50 Ohms

according to MIL-C-17

CONSTRUCTION

Inner Conductor

Insulation

Jacket

Outer Conductor

Jacket



PHYSICAL SPECIFICATIONS

Inner Conductor	Bare Copper Stranding Wire
Conductor Dia.(+/-0.02mm)	7 / 0.75
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)	0,13
No. of Wires	168
Coverage (+/-3%)	98
Picks/dm	16,0
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:

Revision History

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 °

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

Return loss	5-1000MHz	23 dB
	1000-2500MHz	18 dB

Insulation resistance	> 100,000 Ω·km
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Shielding Effectiveness	100-1000 MHz	> 65 dB
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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

