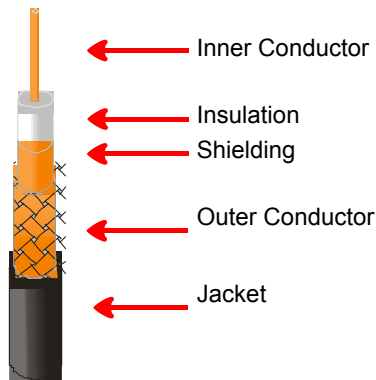


SAC100 Approved Downlead

Cross Section



Construction

Inner Conductor	BC
Conductor Dia (+/-0.02mm)	1.00
Min.Break Strength (N)	380
Insulation	Foam P.E.
Insulation Dia.(+/-0.05mm)	4.60
Colour	Neutral
Centricity (%)	≥ 85
Adhesion	10 to 100N @ 25mm
Shielding	
Width (mm)	18
Thickness	24µm
Foil overlap (mm)	≥ 2
Outer Conductor	BC Wire Braid
Conductor Dia.(+/-0.01mm)	0.120
No. Of wires	80
Coverage (+/-3%)	50%
Picks/dm	20.0
Lay Length (mm)	50.2
Jacket	PVC/LSF
Outer Dia (+/-0.15mm)	6.60
Colour	BLACK
Tensile strength	≥ 12.5 N/mm ²
Elongation at break	≥150%

Properties

Min.Bending Radius:	
Installation	27.4mm
Repeated	75.5mm
Max.Pulling Tension	514.6N
Crush resistance of cable (load of 700N)	< 1%
Rated Temperature	
Storage/operating temperature	-20~+75°C
Outdoor Installation	-5°C

Electrical Characteristics

Characteristic Impedance	75 +/-3ohm
Capacitance	52±3 pF/m
Velocity ratio	<82%
DCR: Inner Conductor	<23 ohm/km
DCR: Outer Conductor	<15 ohm/km
Jacket Sparker	2500 VCA
Dielectric Strength	1000 VCA
Return loss	
5 -1000MHz	23dB
1000 - 2200MHz	18dB
Insulation Resistance	> 100,000 MΩ·km
Transfer impedance	5-30 MHz ≤ 15 mΩ/m
Shielding Effectiveness	100-1000 MHz > 85dB

Frequency (at 20°C)	Attenuation
5 MHz	1.60 dB/100m
50 MHz	4.60 dB/100m
100 MHz	6.50 dB/100m
200 MHz	9.50 dB/100m
460 MHz	15.00 dB/100m
860 MHz	19.50 dB/100m
1000 MHz	21.50 dB/100m
1750 MHz	29.00 dB/100m
2150 MHz	32.50 dB/100m

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)	Forbidden
Polybrominated Diphenyl Ether (PBDE)	Forbidden



www.sacelectronics.co.uk

Tel/Fax 01332 348533



RoHS (2002/95/EC) Compliant