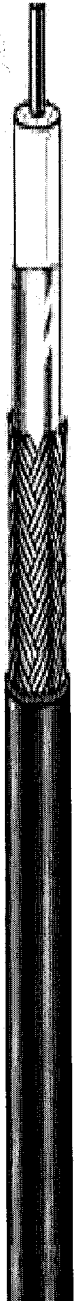


### ELECTRONIC AND SPECIALTY CABLES

#### 056031 LL-195 Series

Broadband Communications Cable  
Standard Outdoor Applications



#### Common Applications:

Benelec LM-195 cable is available in Standard Outdoor constructions. LM-195 is a low loss substitute for RG-58 / RG-142 and uses standard RG-58 connectors. LM-195 is easily routed, used for Jumper Assemblies in any Wireless Communications Systems, Antenna Feeder runs and any application requiring a low loss RG-142 type Cable. (e.g. Mobile Antennas, LMR, GPS, WLL)

#### Construction:

Conductor: Solid Bare Copper; OD: .037" Nom. (0.94mm)

Insulation: Gas Injected Foamed Polyethylene; OD: .110" Nom. (2.79mm)

Shield 1: Bonded Aluminum / Polyester / Aluminum Tape; 100% Coverage

Shield 2: Tinned Copper Braid; 93% Minimum Coverage

Jacket: See Part Number Table

OD: .195" Nom. (4.95mm)

Markings: Surface printed

#### Part Number Table:

Model	Catalog No.	Description	Jacket	Ratings
056031	LM-195	Std Outdoor	.028" Wall Black Polyethylene	N/A

Agency Approvals  
When Applicable:

UL Standard 444 and NEC Article 800 Type CMR  
UL Standard 820 and NEC Article 820 Type CATVR  
and CSA c(UL)

Flame Rating:

UL Standard 1666 Riser Flame Test

### Electrical / Mechanical Characteristics:

<b>Capacitance</b>	24.3 pF/ft	(79.70 pF/m)					
<b>Impedance</b>	50 Ohms						
<b>Velocity of Propagation</b>	80%						
<b>Conductor DCR</b>	7.6 Ohms/Mft Nom.	(24.93 Ohms/km)					
<b>Shield DCR</b>	4.89 Ohms/Mft Nom.	(16.04 Ohms/km)					
<b>Inductance</b>	0.064 uH/ft	(0.21 uH/m)					
<b>Peak Power</b>	2.5 kW						
<b>Voltage Withstanding</b>	1000 VDC						
<b>Jacket Spark</b>	2500 VRMS						
<b>Shielding Effectiveness</b>	> 90 Db						
<b>Cutoff Frequency</b>	41GHz						
<b>Cable Weight</b>	21.0 lbs/Mft	(31 kg/km)					
<b>Minimum Bend Radius</b>	0.5inch	(12.7 mm)					
<b>Tensile Strength</b>	40 lbs	(18.2 kg)					
<b>Operating Temperature - Outdoor</b>	-40C to +80C						
<b>Attenuation</b>							
<b>Frequency (MHz)</b>	<b>dB/100</b> <b>Ft M</b>		<b>Avg. Power (KW)</b>	<b>Frequency (MHz)</b>	<b>dB/100</b> <b>Ft M</b>		<b>Avg. Power (KW)</b>
30	1.97	6.46	0.89	900	11.13	36.51	0.15
50	2.55	8.36	0.68	1500	14.52	47.66	0.12
150	4.44	14.57	0.39	1800	15.99	52.45	0.11
220	5.40	17.70	0.32	2000	16.99	55.44	0.10
450	7.78	25.53	0.22	2500	19.02	62.39	0.09