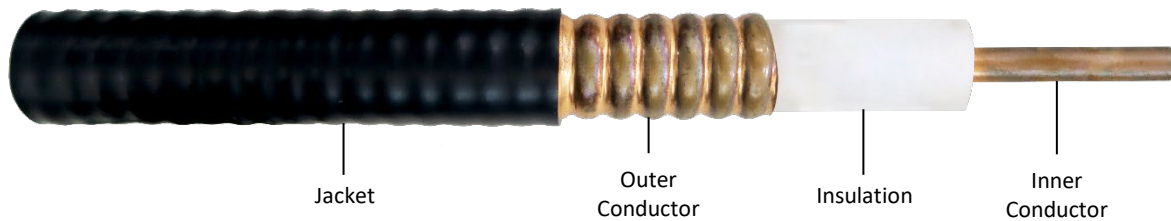


## DATASHEET

### 1/2" FEEDER CORRUGATED CABLE



## CONSTRUCTION

	Material	Diameter
Centre Conductor	Solid Copper Clad Aluminium Wire	4.80 ± 0.05
Insulation (Dielectric)	Physically Foamed Polyethylene	12.20 ± 0.30
Outer Conductor	Ring Corrugated Copper	13.80 ± 0.20
Jacket (Sheath)	PE or Fire-retardant PE	15.80 ± 0.20

## MECHANICAL CHARACTERISTICS

Net Cable Weight	112.5 kgs
Cable Weight (incl. spool)	138.5 kgs
Bending Radius	Single 70 mm Repeated 125 mm Moving 350 mm
Pull Strength	1130 N
Crush Resistance	2.0 kg/mm
Recommended Temperature	Store -70 ~ +85 Installation -40 ~ +40 Operation -55 ~ +85

## ATTENUATION AND AVERAGE POWER

Frequency (MHz)	dB / 100 M	Max Power (Watts)
10	0.67	11.30
100	2.17	3.49
200	3.10	2.44
450	4.75	1.59
800	6.46	1.17
900	6.85	1.10
1000	7.28	1.04
1500	9.09	0.833
1800	10.10	0.753
2000	10.70	0.710
2300	11.50	0.627
3000	13.40	0.565

## ELECTRICAL CHARACTERISTICS

Capacitance	75.8 pF/M
Impedance	50 Ω Nom.
Propagation Velocity	88 %
Inner Conductor DCR	1.60 Ω/km
Outer Conductor DCR	2.10 Ω/km
DC Breakdown Voltage	4.0 kW
Insulation Resistance	> 5 × 10 <sup>3</sup> M Ω • km
Peak Power	40 kW
Screening Attenuation	>> 120 dB
Cut-O° Frequency	8.8 GHz

## CABLE MARKINGS

05703 Benelec 50Ω Low Loss 1/2" Type Batch No XXXXX Mtrs XXXXX

Batch no. is the purchase order number for this shipment. Marking on the cable is every meter and the meter count increases by one very time the marking is printed.

## PACKAGING

Inventory Code	Jacket Colour	Spool Size	Spool Type	Net Weight	Gross Weight
05703	Black	500 mtrs	Wooden	112.5 KGS per drum	138.5 KGS per drum