

Structure	<p>The diagram shows a cross-section of the cable with the following layers labeled from the center outwards: Conductor, PE Insulation, Foil Shield, Braid Shield, and PVC Jacket.</p>
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### SPECIFICATION

Conductor	Material	Copper clad Steel
	Nominal Diameter	$1.02 \pm 0.02\text{mm}$
	Conductivity	19%
Insulation	Material	Foamed PE
	Nominal Diameter	$4.57 \pm 0.10\text{mm}$
Shielding	Material	Aluminum foil
	Coverage	118%
Braiding	Material	Aluminum wires
	No. of Wires	64*0.12mm
	Coverage	45%
Jacket	Material	PVC (Eca)
	Color	optional
	Nominal Diameter	$6.50 \pm 0.10\text{mm}$

### ELECTRICAL PROPERTIES

Impedance	$75 \pm 3 \text{ ohm}$
Capacitance	$48 \pm 3 \text{ pF/m}$
Velocity	85 %
Inner conductor DC resistance	$< 130 \text{ ohm/km}$
Return Loss (dB)	$> 20\text{dB}$

### ATTENUATION & RETURN LOSS

Frequency (MHz)	Attenuation dB (100M)
100	$< 5.20$
200	$< 8.30$
500	$< 12.80$
800	$< 16.20$
1000	$< 19.80$

### CHARACTERISTICS

Operating Temperature	$-20^{\circ}\text{C}$ to $70^{\circ}\text{C}$
Jacket Break point MPA	$> 10.34$
Min.bending radius	15 x O.D
Packing Length	100m, 250m,305m,500m
Compliant	CPR, ISO, CE, ROHS