

# Altelix AX600DB™ Series

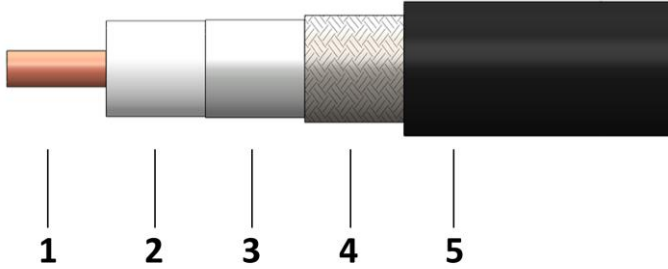
## Direct Burial Flexible Low Loss Coax Cable

- Drop-in Replacement for Times Microwave LMR®-600-DB Series, Commscope CNT®-600-DB Series & other 600-series variants
- Low Loss, High-Performance
- Watertight/Outdoor design, ideal for underground installations
- Fits Standard 600-Series Connectors



**DIRECT BURIAL**

Cable Description			
Part #	Application	Jacket	Color
AX600DB	Outdoor/Watertight	Flooded PE	Black



Construction Specifications			
Description	Material	In.	(mm)
1 - Inner Conductor	Copper Clad Aluminum	0.176	(4.47)
2 - Dielectric	Foam Polyethylene	0.455	(11.56)
3 - Inner Shield 4 - Outer Shield	Bonded Aluminum Foil Tinned Copper Braid	0.492	(12.50)
5 - Jacket	(see table)	0.59	(14.99)

Environmental Specifications		
Performance Property	°F	°C
Installation Temperature Range	-95/185	-70/+85
Storage Temperature Range	-40/185	-40/+85
Operating Temperature Range	-40/185	-40/+85

Mechanical Specifications			
Performance Property	Units	US	(metric)
Bending Radius: Installation	in. (mm)	1.50	(38.1)
Bending Radius: Repeated	in. (mm)	6.0	(152.4)
Bending Moment	ft-lb (N-m)	2.75	(3.73)
Tensile Strength	lb. (kg)	350	(158.9)

Compliance	
RoHS	Compliant
REACH	Compliant

Electrical Specifications		
Performance Property	Units	US (metric)
Impedance	ohms	50
Capacitance	pF/ft (pF/m)	23.4 (76.6)
Velocity	%	87
Shielding Effectiveness	dB	>90
Peak Power	kW	40
Jacket Spark	VAC	5000

Packaging			
Part #	500ft Reel	1000ft Reel	Per Foot
AX600DB	✓	Contact Us	✓

RF Performance		
Frequency (MHz)	Attenuation (dB/100ft)	Average Power (KW)
150	1.00	2.16
220	1.20	1.77
450	1.70	1.23
700	2.18	0.95
750	2.26	0.92
800	2.35	0.88
900	2.50	0.84
1500	3.30	0.63
1800	3.70	0.57
2000	3.90	0.54
2500	4.40	0.48
5800	7.30	0.29
6000	7.45	0.28

