

Altelix AX195™ Series

Flexible Low Loss Coax Cable

- Drop-in Replacement for Times Microwave LMR®-195 Series, Commscope CNT®-195 Series & other 195-series variants
- High-performance alternative to RG58
- Low Loss, High-Performance
- Fits Standard 195-Series Connectors



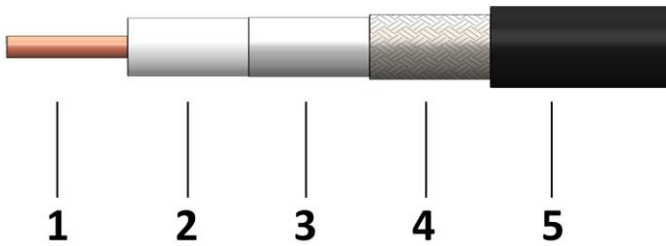
PE JACKET

FIRE RETARDANT

FIRE RETARDANT WHITE



Cable Description			
Part #	Application	Jacket	Color
AX195	Indoor/Outdoor	PE	Black
AX195FR	Indoor/Outdoor Riser CMR	FR PVC	Black
AX195FRW	Indoor/Outdoor Riser CMR	FR PVC	White



Construction Specifications			
Description	Material	In.	(mm)
AX195, AX195FR, AX195FRW			
1 - Inner Conductor	Solid Copper	0.037	(0.94)
2 - Dielectric	Foam Polyethylene	0.109	(2.79)
3 - Inner Shield 4 - Outer Shield	Bonded Aluminum Foil Tinned Copper Braid	0.138	(3.53)
5 - Jacket	(see table)	0.195	(4.95)

Environmental Specifications		
Performance Property	°F	°C
AX195, AX195FR, AX195FRW		
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)
AX195, AX195FR, AX195FRW			
Bending Radius: Installation	in. (mm)	0.5	(12.7)
Bending Radius: Repeated	in. (mm)	2.0	(50.8)

Compliance	
RoHS	Compliant
REACH	Compliant

Electrical Specifications		
Performance Property	Units	US
AX195		
Impedance	ohms	50
Capacitance	pF/ft	25.4
Velocity	%	80
Shielding Effectiveness	dB	>90
Peak Power	kW	2.5
Jacket Spark	VAC	5000
AX195FR, AX195FRW		
Impedance	ohms	50
Capacitance	pF/ft	25.4
Velocity	%	80
Shielding Effectiveness	dB	>90
Peak Power	kW	2.5
Jacket Spark	VAC	3000

Packaging			
Part #	500ft Reel	1000ft Reel	Per Foot
AX195	Contact Us	✓	✓
AX195FR	Contact Us	✓	✓
AX195FRW	Contact Us	✓	✓



RF Performance – AX195, AX195FR, AX195FRW		
Frequency (MHz)	Attenuation (dB/100ft)	Average Power (KW)
150	4.3	0.35
220	5.2	0.29
450	7.5	0.20
700	9.6	0.16
750	9.6	0.15
800	10.2	0.14
900	10.7	0.14
1500	13.4	0.11
1800	15.3	0.10
2000	16.1	0.09
2500	18.1	0.08
5800	28.2	0.05

