

CGEL 596 / CGEL 711

Gel filled closure provides complete environmental protection for coaxial drop splices in burial and aerial applications

Features

- Single piece, clam shell design, requires no additional tools for installation
- Gel filled for complete waterproof protection
- Expansion chambers prevent gel overflow
- Accommodates a wide range of standard F type and environmentally sealed coaxial connectors
- Accommodates all coaxial cable types including quad shielded cable
- Fully re-enterable
- Channel provided for retaining messenger cable
- Tough outer shell withstands impact testing to 5 ft-lbs force
- Meets SCTE IPS-TP-013 requirements for water immersion and temperature cycling



Dimensions

CGEL	NOMINAL DIAMETER (MIN)	STANDARD LENGTH	DELIVERY UNITS
	mm	mm	pcs.
596	25,4	116,0	12
711	30,48	165,0	12

Technical Data

Gel Properties

Physical

Property	Test Method	Typical Performance
Cone Penetration	ASTM-D 1824	121,0 mm
Surface Tack		3,0 sec
Elongation		> 1.200%
Specific Gravity	ASTM-D 70	0,98 g/cm ³ max.

Environmental

Property	Test Method	Typical Performance
Heat Aging 60°C for 30 days		passed all tests
Long Term Life		properties retained for 20 years
Hydrophobic Properties		HLB<2

Electrical

Property	Test Method	Typical Performance
Dielectric Constant	ASTM-D 150	3.3 max at 1kHz 3.0 max at 100 kHz
Power Factor	ASTM-D 150	0.03 max at 1 kHz 0.03 max at 100 kHz

Ordering: Specify: CGEL 596 or CGEL 711 + Total Quantity

Application Ranges

Cables:

- 596: All 59 & 6 series coaxial cables including quad shield with messengers
- 711: All RG 7 & RG 11 series coaxial cables including quad shield with messengers

CGEL	596	711
	59 & 6 series coaxial connectors	RG 7 & RG 11 series coaxial connectors
Digicon:	Type 2 series, S series, 6 splice series	S series, RG 11 series
Augat:	F series, SNS series, environmentally sealed SNS	F series, SNS series
Gilbert:	GF, GFW and GF 360 F type, ultraseal series	GAF, GF 11S, GAF 360 type 7 & 11

Closure Properties

Material Property	Test Method	Typical Performance
Tensile Strength	ASTM-D 638	27 MPa
Notched Izod Impact at 23°C	ASTM-D 256A	2.0 ft-lbs/in
Drop Weight Impact Strength at -29°C	Montell	21 ft-lbs
Specific Gravity	ASTM-D 792	0,90 g/cm ³ max.

Electrical

Property	Test Method	Typical Performance
Moisture Migration	SCTE IPS-TP-013	no moisture migration
Impact Strength	Canusa-AH-01 5 ft-lbs, -18°C, 38°C	no cracking or opening of closure

Standard Colours	Special Colours
black 	Not Available