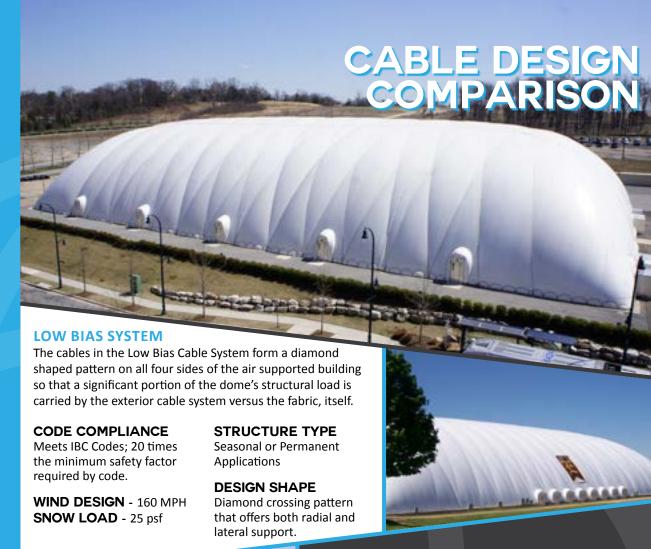
CABLES DESIGN COMPARISON





FULL CABLE GRID

The geodesic cable pattern of this dome carries most of the domes structural load. Extreme wind loads are evenly transferred by the cable system to the dome anchorage and foundation. This ensures that only a small portion of the dome's structural load is carried by the dome's fabric (about 15 lbs PSI fabric load).

CODE COMPLIANCE

Meets IBC Codes; 50 times the minimum safety factor required by code.

WIND DESIGN - 180 MPH SNOW LOAD - 50 psf

STRUCTURE TYPE

Seasonal or Permanent Applications

DESIGN SHAPE

Geodesic pattern that provides the highest level of fabric stress relief.

RADIAL CABLE SYSTEM

The radial cable design has the widest cable spacing of the three designs. Since this design has minimal cabling, it is generally used for seasonal air structures to reduce the work involved in the annual removal of the dome from its site. The radial cable system keeps the fabric envelope in place, but the entire structural load that is placed on the dome is carried by the fabric envelope.

CODE COMPLIANCE

Meets IBC Codes; 4 times the minimum safety factor required by code.

WIND DESIGN - 140 MPH SNOW LOAD - 5-7 psf

STRUCTURE TYPE

Seasonal Applications

DESIGN SHAPE

Tenioned cables in one direction across the barrel of the building



(800) 325-1303 11880 Dorsett Road, St. Louis, MO 63043 ArizonBuildingSystems.com

