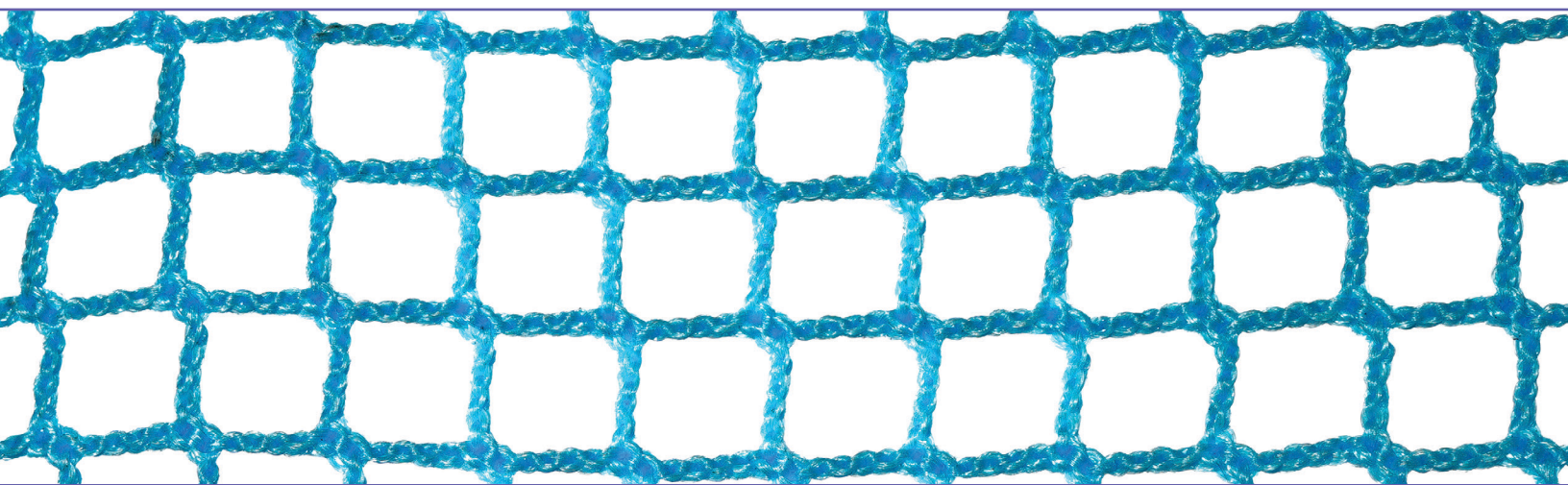




AQUATUF COMPACT

Knotless HDPE

Aquatuf Compact knotless netting is a knotless net construction engineered for demanding fish cage net applications. Manufactured using specially engineered HDPE monofilament/tape with high elongation, it offers exceptional compact nature, high strength conversion and thin twine diameters resulting in less solidity and improved abrasion resistance over conventional netting solutions.

Construction

Aquatuf Compact knotless netting is produced using a knotless construction with high-performance high tenacity HDPE monofilament/tape yarn. The yarn is woven in an engineered specialized pattern to achieve a compact structure, smaller twine diameters, improved strength realisation, comparably stiff and better abrasion resistance. This construction provides superior mechanical strength while maintaining flexibility, soft nature and better mesh opening, durability, abrasion and corrosion resistance and impact resistance with minimal microplastic release.

Structural Performance

The knotless design ensures compact, uniform mesh formation for improved load distribution and dimensional stability. Engineered weaving enhances compactness and mesh-size uniformity, maintaining low solidity while reducing net weight, and delivering strong resistance to deformation under impact and operational loads.

Key Performance Benefits

- Compact nature
- Lower solidity
- Flexible soft nature
- Antifouling paint adhesion property
- Resistance to abrasion and corrosion
- Good resilience after impact
- UV protection
- Fully recyclable and minimal microplastic release



Twine Size (mm)	Material	Denier/Ply	MBS (kgf) (±5%)	Specific Gravity
2.3	HDPE	280D / 108 Ply	76	0.96
2.4	HDPE	280D / 114 Ply	96	
2.7	HDPE	280D / 126 Ply	106	
3.3	HDPE	280D / 132 Ply	117	
3.8	HDPE	280D / 144 ply	136	
4.2	HDPE	280D / 180 Ply	151	
4.5	HDPE	280D / 198 Ply	176	