

Universal Space Mesh

- USM-STEEL32 -



Non-reflective steel mesh for training- and structural verification-purposes.

Antenna Application Area

Training of Assembly of Breadboards / Engineering Models

Verification of Design & Deployment Sequence



USM steel mesh sample

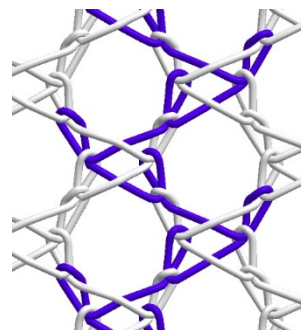
Key Characteristics

Applicable Frequencies	Not applicable, for training & verification purposes only
Needle Fineness	E32 (needles per inch)
Mass	< 50 g/m ²
RF Performance / Reflection Loss	Not applicable, mesh for training purposes only
Material	Stainless Steel (1.4401)
Knitting Patterns	ATLAS-ATLAS or TUCH
Temperature Range	Ambient
Mesh Width	Single line: up to 4.5 m (width will be adjusted to request) Multi-line: up to 10.2 m (3 lines of 3.4 m each sewed together, sewing service: see option below) Ultra-width: on request.
Mesh Length	max. 20 m recommended (length will be produced as requested)
Cleanliness Class	Ambient

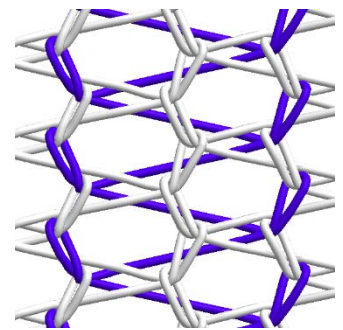
Optional Services

Mechanical tests on samples of the produced lot

Automated sewing of mesh-stripes for large widths (e.g. 10 m)



ATLAS-ATLAS Pattern



TUCH Pattern

