Data Sheet
Universal Space Mesh
- USM-STEEL -

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

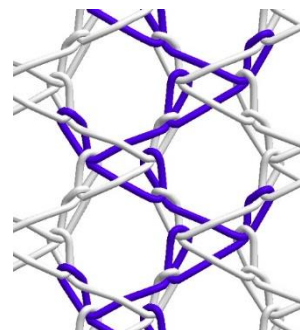| Antenna Application Area |
|---|
| Training of Assembly of Breadboards / Engineering Models |
| Verification of Design & Deployment Sequence |

USM steel mesh sample

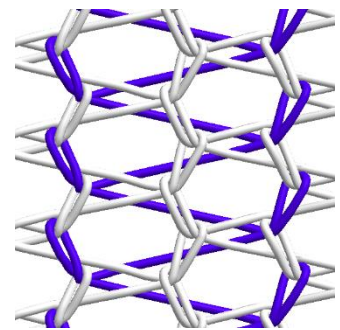| Key Characteristics	
Applicable Frequencies	Not applicable, for training & verification purposes only
Needle Fineness	E16 or E32 (needles per inch)
Mass	< 50 g/m²
RF Performance / Reflection Loss	Not applicable, mesh for training purposes only
Material	Stainless Steel (1.4401)
Knitting Patterns	available in all patterns
Temperature Range	Ambient
Mesh Width	Single line: up to 4.5 m (width will be adjusted to request) Multi-line: up to 9.9 m (3 lines of 3.3 m sewed together) Ultra-width: on request.
Mesh Length	max. 15 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

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