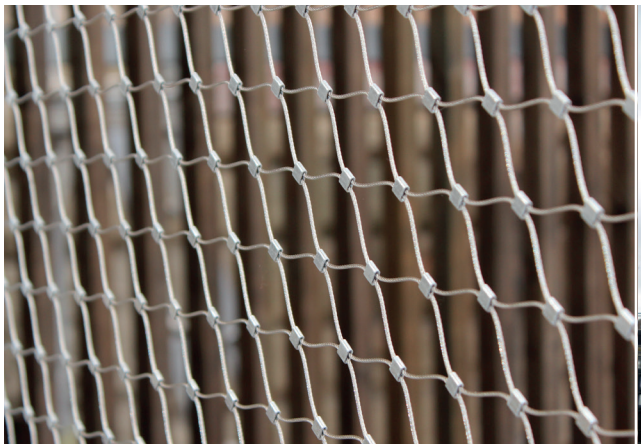
# Fact Sheet X-TEND® CXE

Stainless steel cables combined with ferrules made of stainless steel, in a process to form a friction-locked cable mesh with rhombic-shaped openings (=so-called mesh diamonds).

Versatile applications in Architecture (2D and 3D): balustrade in-fills, fall protection horizontal and vertical, façade design, greenery, ball catch nets, zoo enclosures, aviaries, decoration, etc.



Material:
Cables: stainless steel 1.4401 / AISI316, diameter 1,0 / 1,5 / 2,0 / 3,0 / 4,0mm
Due to different polishing grade in wire production, as a basis for wire rope manufacturing, slight variations in stainless steel color nuance appearances on the wire rope's surface might apply.
This is not visible after tensionig of the mesh.

Ferrules: stainless steel DIN 1.4401 / AISI316 (mesh widths 25mm – 200mm; and bigger if required)

Corrosion characteristics:
For X-TEND mesh, corrosion examinations were conducted on trial devices according to DIN 50021:1988-06 and according to DIN 50021-SS. The cable mesh is being classified to corrosion resistance class II, according to the general construction approval no. Z-30.3-6 (no EN available).

Technical Advice:
European Technical Approval in preparation.
X-TEND underlies a continuous production control.

For further product information please refer to the X-TEND catalogue (download: www.carlstahl-architektur.com), or kindly contact us.

Maintenance:
Regular cleaning, as well as a control of the status of installation ( mechanical damages, etc. )
to be defined in function of the purpose of application and of environmental influences.

Further maintenance information is available from the relevant organizations, e.g. in Germany „Informationsstelle Edelstahl Rostfrei", especially data sheets no. 965 – Cleaning and Care of stainless steel in construction, no. 829 – Stainless steel in contact with other material, as well as general construction approval no. Z-30.3-6 ( for download, pls refer to: www.edelstahl-rostfrei.de ).
European platform (in many languages): www.euro-inox.org

Tolerances:
according to DIN ISO 2768-1, tolerance class „v".

Fire Protection Classification: A1, according to EN 13501-1:2007

Installation:
The fixation of the mesh is done by mounting and tensioning onto a surrounding frame structure (border cables, tubular frames, or rods) by means of spiral lacing of the installation cable through loose ferrules.

Adapation of mesh panel geometry requires professional installation experience for modification of mesh border construction by means of friction-proof loops and connections.