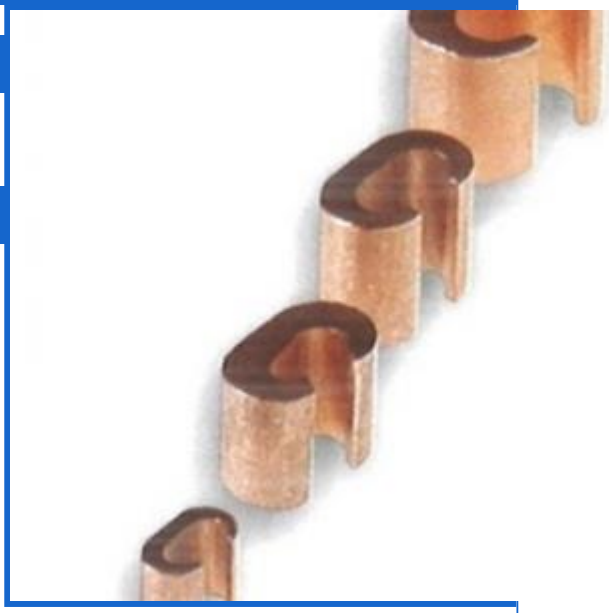
PRODUCT DATA SHEET

Earthing components

Connection components for earth conductors

Substation earthing

Code: 6520120-70
Description: Compression connector type C, code: 6520120 (copper connector)



Application

Type C copper compression connector, for connecting stranded conductors. Used in earthing system.

Classification

As per IEC 62561

- Heavy duty (H – 100 kA)
- General use
- Intended to withstand a static mechanical load
- Permanent connection

As per IEEE 837

- Electromagnetic force (EMF) withstand*: Asymmetrical current 100 kA fisrt peak, 43 kArms @ 150ms
- Fault current withstand: 8,7 kA @ 10s
- Corrosion withstand: 500h of continuous salt spray

Technical characteristics

Material -- Copper (Cu)

Installation instructions

Conductor's dimensions	120 mm² / 120 mm²
Connection arrangement	Parallel(B2)
Installation	Above ground, buried in ground, embedded in concrete
Can be connected with	Cu, Cu/eSn

Testing as per IEC 62561

The component has successfully passed the testing requirements of standards:

- IEC EN 62561-1 “Lightning protection system components (LPSC) – Part 1 : Requirements for connection components”. Test report No **30948** by accredited laboratory as per ISO 17025
- IEEE 837 “Permanent connections used in substation grounding”. Test report No **32194**

* EMF test performed according to ELEMKO requirements.

Manufacturing Quality Control

Manufacturing quality control according standard ISO 9001

Country of Origin

Greece

Unit: piece / Package: 25 pieces