

Document: External Information
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Service life and Recommendations for storage

This is to advise expected service life and storage of Habia Cable's products.

Service life

All polymer (plastic) materials are affected by their surrounding environment, i.e. temperature, humidity, possible chemicals etc. The influence of temperature is dependent on time and the desired properties at the cable's end of life.

Depending on industry (defence, nuclear, general industry etc.), service life at max temperature can be anything from 3,000 hours to 60 years.

Depending on which standard the material is tested to, the end of life criteria can be based on different mechanical or electrical properties.

Our material datasheets have generally 20,000 hours as criteria for service life, unless otherwise stated.

Our drawings have generally a highest possible temperature for shorter exposure times, typically 3,000 hours. Drawings may state a different service life temperature according to customer requirements.

Storage

In order to ensure the performance of the cable after storage it is important that the cable is not exposed to damaging conditions during storage. In order to prevent this, we recommend the following storage conditions:

General handling

- Goods must always be handled with care in order not to risk the cables quality during storage
- Packaging material, example hardboard, plastic foil, cover, should be preserved as applied during packaging process in order to maintain best protection
- End sealing to prevent ingress of moisture should be preserved
- Packaged goods is suitable for handling with fork lift, truck, crane
- Pallets are not stackable and needs to be placed one by one
- Re-spooling to spool or drum should consider bending radius not to fall below specified minimum bending radius in Technical data issued by Habia Cable

Environmental conditions

Ground, floor or rack should be able to take the load of stored volumes

- If placed on ground, this should be conditioned and free of plant growth
- Storage in open air requires sun and rain tight protection to level at least corresponding to tarpaulin or canopy
- Protected against flooding
- Storage to allow air circulation and avoidance of trapped water

Climate conditions

- Air temperature (maximum/minimum): +50°C /-25 °C
 - Optimum storage: air temperature: 10°C to 30°C
- Relative humidity in average per year (maximum): 75%
Max 95% during 700 hours per year.
 - Optimum storage: RH ≤ 50%

Shelf time

- 5 years from production date within conditions stated, if stored longer, contact us for evaluation

If you need further assistance and/or clarification, please contact Habia Cable.