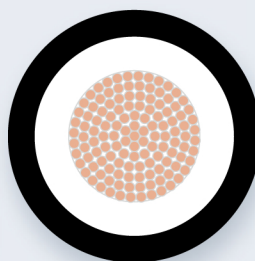


BETAflam® Solar 125 RV flex FRNC

Photovoltaic power cables, halogen free, flame retardant



Advantages

- Electron-beam cross-linked compounds
- UV, ozone and hydrolysis resistant
- High temperature resistant, the materials do not melt or flow
- Very long life cycle
> 25 years at 90 °C
- Compatible to all popular connectors
- Flexible and space-saving installation

BETAflam® Solar 125 RV flex FRNC

Applications

Double insulated, electron-beam cross-linked cables for photovoltaic power applications. With reduced diameter and integrated jacket.

Construction

- | | |
|-----------------|---|
| ■ Conductor | Tinned fine copper strands, acc. to VDE 0295 / IEC 60228, class 5 |
| ■ Insulation | XLPO, flame retardant, halogen free, electron-beam cross-linked |
| ■ Jacket | XLPO, flame retardant, halogen free, electron-beam cross-linked, UV and ozone resistant |
| ■ Jacket colour | black |

Electrical characteristics

Operation temperature	$U_0/U = 600 / 1000 \text{ V AC,}$ $1000 / 1800 \text{ V DC}$
Test voltage	6500 V, 50 Hz, 5 min.

Thermal characteristics

Operation temperature	– 40 °C up to + 125 °C – 40 °F up to + 257 °F
Ambient temperature	– 40 °C up to + 90 °C
> 25 years (TÜV)	– 40 °F up to + 194 °F
Short circuit temperature	280 °C, + 536 °F max.

Bending radius $\varnothing < 10 \text{ mm}$

Fixed installation	$> 4 \times \varnothing$	$> 5 \times \varnothing$
Occasionally moved	$> 5 \times \varnothing$	$> 7 \times \varnothing$

Standards / Material properties

- Fire performance: IEC 60332-1, IEC 60332-3-24
- Smoke emission: IEC 61034; EN 61034-2
- Low fire load: DIN 51900
- Approvals: TÜV 2 PfG 1169 08.2007 PV1-F
- Application standards: UNE 21123; UNE 20.460-5-52, UTE C 32-502