

Overhead Line Cover up to 35kV

Feature:

- Easy installation for the clip-on design.
- Creepage extender to improve the electrical creepage distance.
- Can be coated with sealant mastic inside to improve sealing performance.
- Weatherability, insulating, anti-tracking, abrasion resistant and UV resistance.
- Wide usage: four sizes cover the conductor size up to 1000mm².
- Hand tool can provide quick installation.



Specification:

Size	Rated voltage	Conductor size	Max. conductor dia.
NELC-18-U	1-15kV	≤150mm ²	18mm
NELC-18-C	1-35kV	≤150mm ²	18mm
NELC-20-U	1-15kV	185mm ²	22mm
NELC-20-C	1-35kV	185mm ²	22mm
NELC-28-U	1-15kV	240mm ²	30mm
NELC-28-C	1-35kV	240mm ²	30mm
NELC-38-U	1-15kV	≤1000mm ²	38mm
NELC-38-C	1-35kV	≤1000mm ²	38mm

U:without sealant mastic inside C:with sealant mastic inside

Electrical properties:

No.	Test item	Result
1	A.C.voltage withstand(dry),42KV,1min	Passed
2	A.C.voltage withstand(wet),22KV,1min	Passed
3	1.2/50µs impulse voltage withstand ,25KV,±10impulses	Passed

Technical data sheet:

Property	Requirement	Test method
Water absorption	≤0.5%	GB/T 1034-1998
Tensile strength	≥12Mpa	GB/T 1040-1992
Elongation at break	≥500%	GB/T 1040-1992
Tensile strength at 120 C for 168h	≥10Mpa	GB/T 1040-1992
Elongation at break at 120 C for 168h	≥400%	GB/T 1040-1992
Dielectric strength	≥20kV/mm	GB/T 1408-1989
Volume resistivity	10 ¹³ Ω•cm	GB/T 1410-2006
Dielectric constant	≤3.0	GB/T 1409-2006
Flammability (OI)	≥25	GB/T 2406-1993
Cu corrosion at 120 C for 168h	No corrosion	ASTM D 2671
Tenacity at low temperature at -40 C for 4h	No cracking	ASTM D 2671

GB/T: National Standard.

Application:

- Protect the bare conductor of the single-phase 27.5KV railway electrical system.
- Mainly used in the urban and rural power electrical network up to 35KV to provide the insulation protection where necessary.
- Applied on overhead bare conductor line which pass through the tunnel, bridge, tropic rain forest for improving the insulating performance, preventing short-circuit.
- Provide protection for partial down-lead of the on-column switch and the transformer.
- Provide insulation protection for the transmission and distribution line where necessary.

