

Cable termination MKBC 126, MKBC 145

Arkasil dry type cable terminations 126-145 kV are designed for connection of HV cable lines with overhead lines or substation equipment. Dry type terminations are suitable for indoor and outdoor installation with HV XLPE cables 64/110, 76/132 kV with conductor cross-section range of 185-1600 mm². Terminations for XLPE cable with optical fibers (OF) which are used for temperature monitoring are optionally available.

Main parts

Insulator:

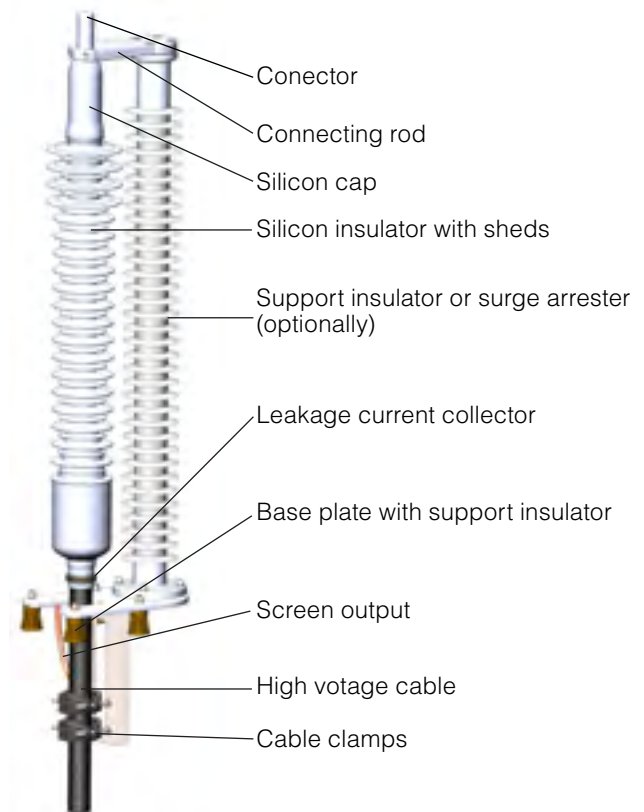
- Premoulded and factory tested silicon rubber insulator with sheds.
- Leakage current collector.

Cable end:

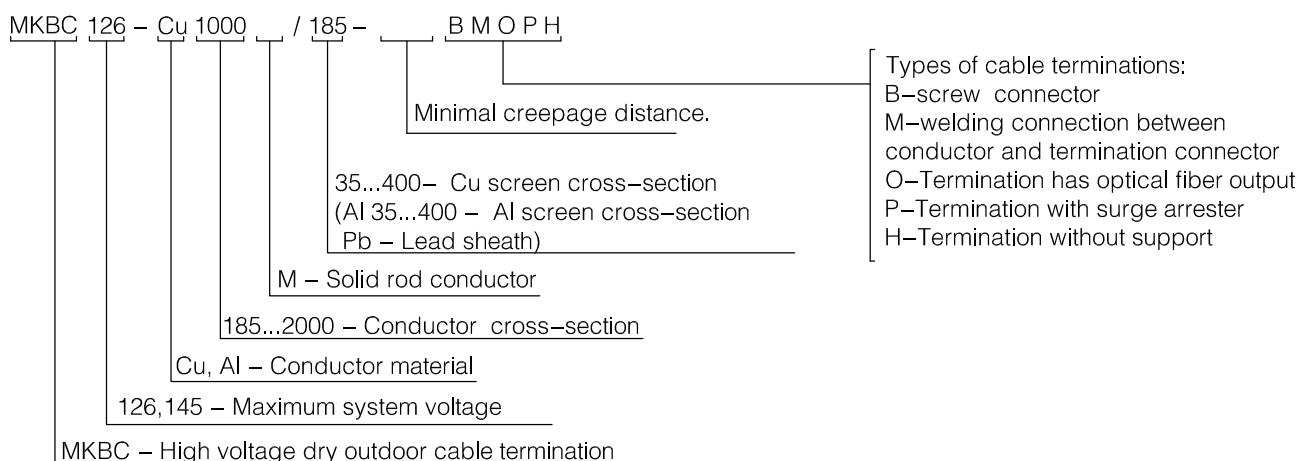
- Conductor connector.
- Bottom plate.
- Support insulators.
- Earthing output.
- Optical fiber output (optional).

Support:

- Composite type support insulator with solid glass fiber rod and silicon rubber sheds.
- Composite type support surge arrester with silicone rubber sheds



Marking of outdoor dry type terminations



Area of application

Type		MKBC 126	MKBC 145
Phase voltage	kV	64	76
Line voltage	kV	110	132
Maximum system voltage	kV	126	145
Cable conductor cross-section	mm ²	185 ÷ 1600	
Maximum cable overall diameter, mm	mm	125	
Maximum cable insulation diameter	mm	91	
Installation options		MKBC 126	MKBC 145
On framework or tower of OHL		+	+
On high voltage busbar		+	+
Maximum angle to vertical		0..90°	0..90°

Technical data

Electrical parameters		MKBC 126	MKBC 145
Phase voltage		160 kV for 30 min	190 kV for 30 min
Partial discharges		< 5 pC at 96 kV	< 5 pC at 114 kV
Impulse withstand voltage (10+/10- impulses)		550 kV	650 kV

Climatic characteristics		MKBC 126	MKBC 145
Operation temperature		-45 +50°C	-45 +50°C

Nominal operating current Limited by cable specification

Stress cone routine test		MKBC 126	MKBC 145
AC voltage withstand test		160 kV for 30 min	190 kV for 30 min
Partial discharges		< 5 pC at 96 kV	< 5 pC at 114 kV

Technical parameters		MKBC 126	MKBC 145
Pollution level according to IEC 60815		IV	IV
Maximum allowed load on top connector		1 kN	