145kV Cable joint S145 Straight cable joint 145 Cross bonded cable joint

Application

Premolded cable joint for 12 kV or 145 kV PE insulated cables with copper conductor and metal type of cable screens*.

Standards

Designed to meet the requirements of international accepted standards, IEC 60840 and China standard GB/ T 11017.

Features

1. oint body

The joint bodies ha e premolded one piece design, with a mold injected outer semi conducti e shielding layer of 6mm thickness. The raw material, liquid silicone rubber (SR), enables a more compact structure. Different joint body sizes are designed to fit cables with different cross section area, to ensure optimal interface pressure between joint bodies and cables, as well as the e cellent electrical and insulation performance.

Straight joint and Insulated joint share the same joint body design.

2.Connector

Crimping connector**, a ailable for copper conductor cables.

.Shielding electrode

Different sized shielding electrodes ensures good fit with outer insulation diameters of different cables.

4 .Filling material

The joint is filled with en ironmental friendly and flame retardant filling compounds, which ha e e cellent insulation, thermal conducti e and flame retardant properties.

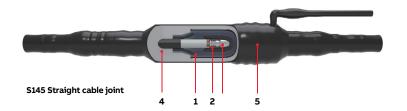
5. uter water proof protection

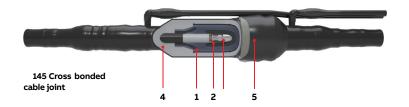
E cellent water proof performance is guaranteed by a copper casing with premolded insulating coating (fiberglass casing is optional) filled with adhesi e compound, and o ersheathed by waterproof tapes and heat shrink tubes.

The outer protection is tested according to GB/ T 11017.



- * Please contact ABB in case of aluminium conductor cable
- ** Please contact ABB, if bolt connectors are required
- *** All joint bodies pass the routine test.





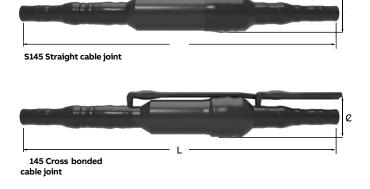
Main electrical properties:

Standard, IEC 60840, GB/ T 11017	Type test kV	Routine test*** kV
ighest oltage for equipment, m	145	145
Rated oltage,	1 2	1 2
Value of o for determination of test oltage	76	76
eating cycle oltage test, 2 0	152/20cycles	/
Partial discharge test 5 pC, 1.5 °	114	114
Switching impulse oltage test	/ 650	/
AC oltage test, 2.5 o	1 0, (15mins)	1 0, (0mins)
Visual inspection	Preformed	Preformed

Technical specification S145 Straight cable joint 145 Cross bonded cable joint



igh oltage test



Size information:

Туре	Di	Dimensions(mm)	
S 145	1800	240	
145	1800	270	

Cable range applicable:

Cable type*	126 kV	145 kV
PE (mm)	57 84	57 84
Conductor(mm²)	240 1200	240 1200
ersheath (mm)	Ma 120	Ma 120

^{*} Please contact ABB for 66 kV PE cables.

Storage:

When stored in original, unopened status at normal and dry conditions:

The joint body has a shelf life of fi e years from the date of manufacture

Tape and grease ha e a shelf life of three years

Filling compound has a shelf life of one year from the date of manufacture

Metal parts ha e no shelf life limit

Packaging information:

Туре	Weight(kg)	Dimensions(mm)
S 145	100	1 00 600 500*
145	110	1 00 600 500*

^{*} For further information, please contact ABB.

Installation space requirements:

Installation	Dimensions(mm)	
S 145	Min 500	
145	Min 500	