

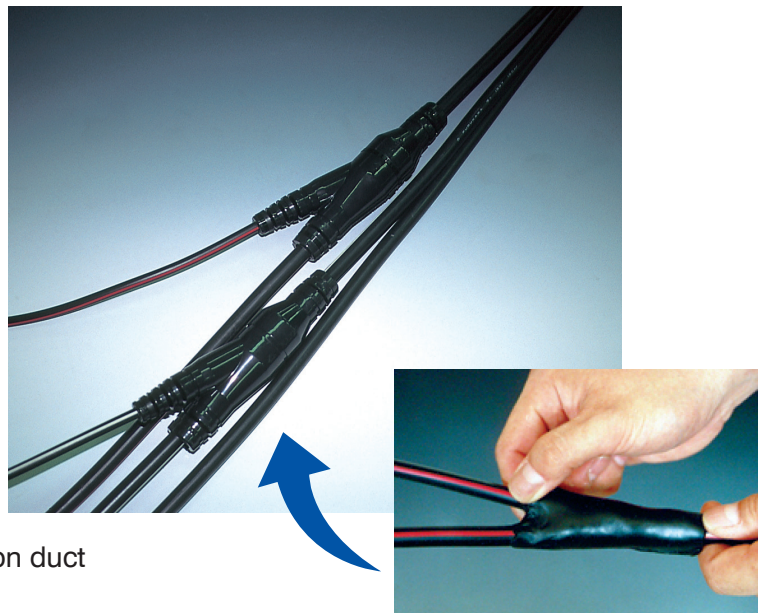
Shell Joint

Low voltage cable joint, plastic shell & putty type

Universally suitable to connect or branch off power cables insulated with PVC, PE, XLPE and EPR with or without concentric conductor. Suitable for copper conductors.

Characteristics

- Extremely quick & simple assembly
- Compact dimensions
- Ready for immediate operation
- High mechanical strength
- High electrical insulating values
- Use of fire is dispensed
- Resistant to chemical agents
- Stabilized against UV rays
- Heavy metal free
- Halogen free (only eco-type)

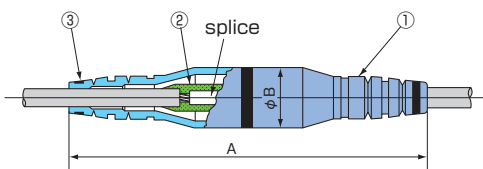


Application • Indoor • Installation duct

Technical data

Voltage level	U ₀ /U _(Um) 0.6/1 (1.2) kV
AC withstand	1 min at 4000 V
Waterproof class	IPX3

Straight-through



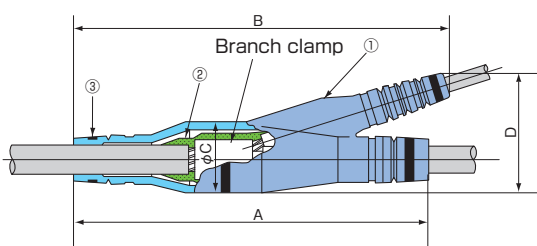
① Shell body ② Insulation putty ③ Cable tie
* Splices NOT included

Standard type	Halogenfree type	Conductor size (mm ²)	Dimensions	
			A	φ B
NJ-0	ENJ-0	25/35/50/70	236	42
NJ-1	ENJ-1	Under 150	230	60
NJ-2	ENJ-2	Under 300	260	78

* For different diameter, select to larger cable

- End of the shell shall be cut off in order to adjust its edge to cable diameter.
- Dimension A shows before cutting.
- In order to apply smaller cable than upper table shows, wind tape on the cable to seal the gap.
- Drawing is NJ-0's ratio.

Y-branch



① Shell body ② Insulation putty ③ Cable tie
* Branch clamps NOT included

Type	Conductor main (mm ²)	Conductor branch (mm ²)	Dimensions			
			A	B	φ C	D
YJ-SS	25 - 70	16 - 50	255	240	48	82
YJ-S	95 - 150	16 - 70	235	250	56	95
YJ-1	185	25 - 150	205	223	61	96
YJ-2	240	70 - 150	220	246	71	110
YJ-3	300	95 - 300	280	310	86	123

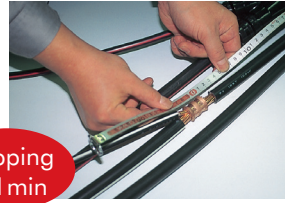
- End of the shell shall be cut off in order to adjust its edge to cable diameter.
- Dimension A, B, D show before cutting.
- In order to apply smaller cable than upper table shows, wind tape on the cable to seal the gap.
- Drawing is YJ-S's ratio.

Installation Procedure (Y-branch)

1 Cable preparation and connection



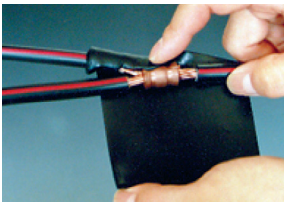
- ① Stagger the connecting area of each phase.
Note ⚠ Do Not overlap shell bodies for each phase.



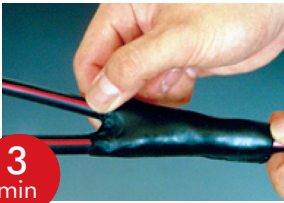
Stripping
& 1 min

- ② Cable sheath and insulation should be stripped under +20 mm of length of splice or branch clamp.
Note ⚠ Ensure enough adhesion surface for the insulation putty sheet at the next step.

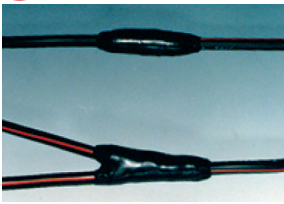
2 Insulation putty sheet application



- ① Set one side of the insulation putty sheet from sheath to sheath. Press the putty to make it stick closely. Stretch lightly and wind the putty on the connection area.

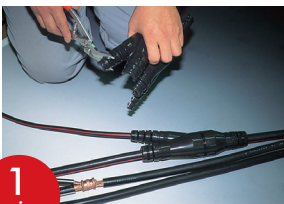


- ② Press and stretch all edges with fingers so that the putty sticks closely to the cable sheath. For branch connections, press and stretch the putty so that there are no gaps in the crotch of the branch.



- ③ Confirm that there are no gaps anywhere in the putty application area.

3 Shell installation



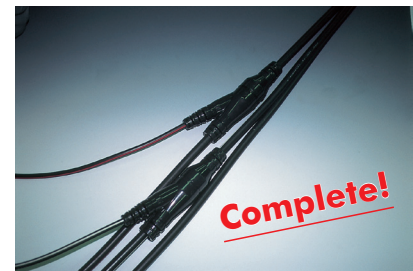
- ① According to the size indication, clip the V groove on the shell with a cutter or a similar tool. Straighten the cable out and fit the shell together.

Note ⚠ NJ-1/2 and YJ-1/2/3 have no function to be temporarily fixed to the seams on the cover.



- ② Bundle cable tie on the central of the shell. Bundle cable ties on each edges of the shell.

0.5 min



Note ⚠ Be sure to read the instruction manual prior to application. Insulation performance could suffer if the product is not applied according to the procedure in the instruction manual.

Head office (International Sales Section)

2-11-16, Azamino Minami, Aoba-ku, Yokohama,

Kanagawa 225-0012, Japan

TEL. +81-45-910-2814 FAX. +81-45-910-2839

 **FURUKAWA ELECTRIC POWER SYSTEMS CO., LTD.** <http://www.feps.co.jp/english/>