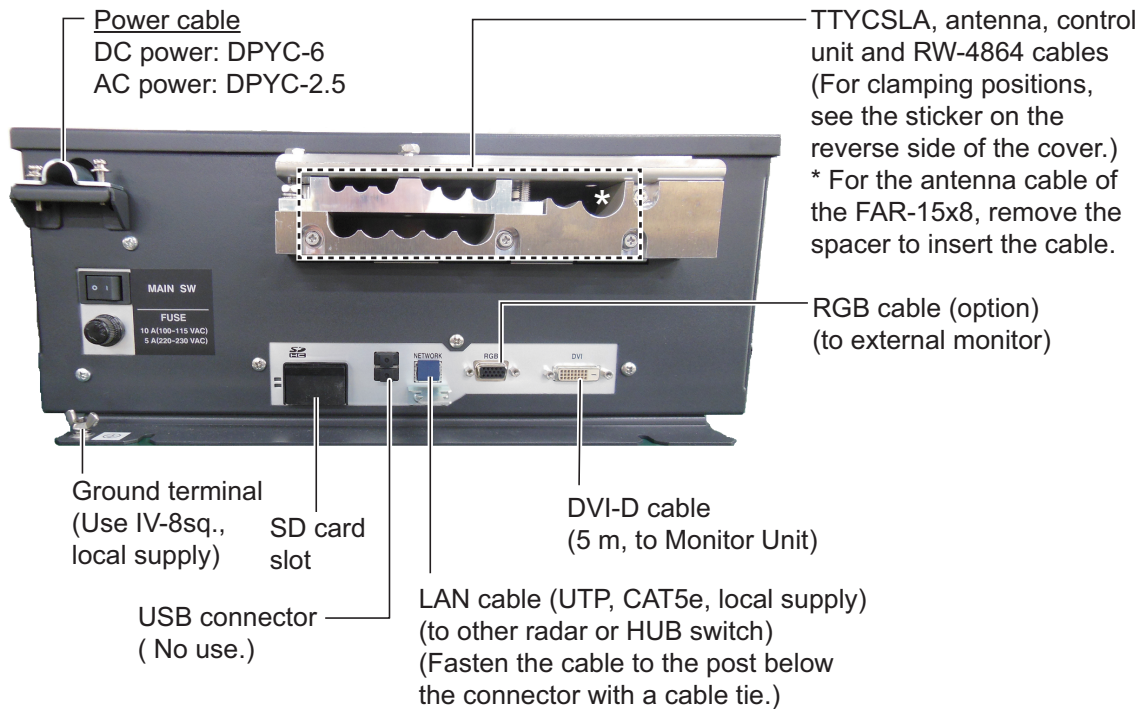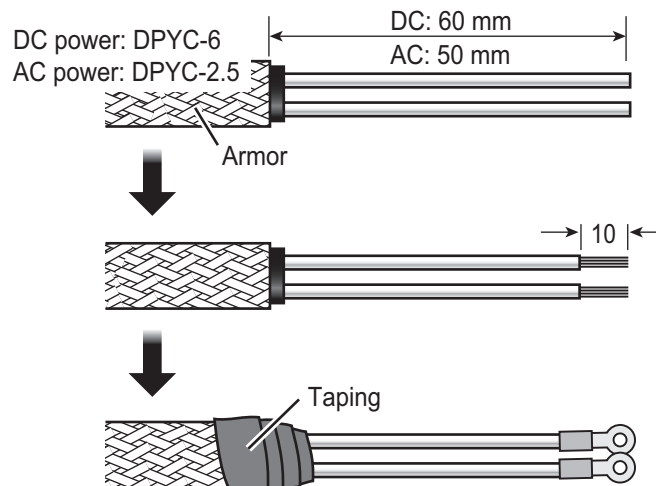# 2.4 Processor Unit

The illustration below is the AC specification unit. The DC specification unit does not have the fuse.

Power cable
DC power: DPYC-6
AC power: DPYC-2.5

TTYCSLA, antenna, control unit and RW-4864 cables (For clamping positions, see the sticker on the reverse side of the cover.) * For the antenna cable of the FAR-15x8, remove the spacer to insert the cable.

RGB cable (option) (to external monitor)

MAIN SW
FUSE
10 A(100~115 VAC)
5 A(220~230 VAC)

Ground terminal (Use IV-8sq., local supply)

SD card slot

DVI-D cable (5 m, to Monitor Unit)

USB connector (No use.)

LAN cable (UTP, CAT5e, local supply) (to other radar or HUB switch) (Fasten the cable to the post below the connector with a cable tie.)
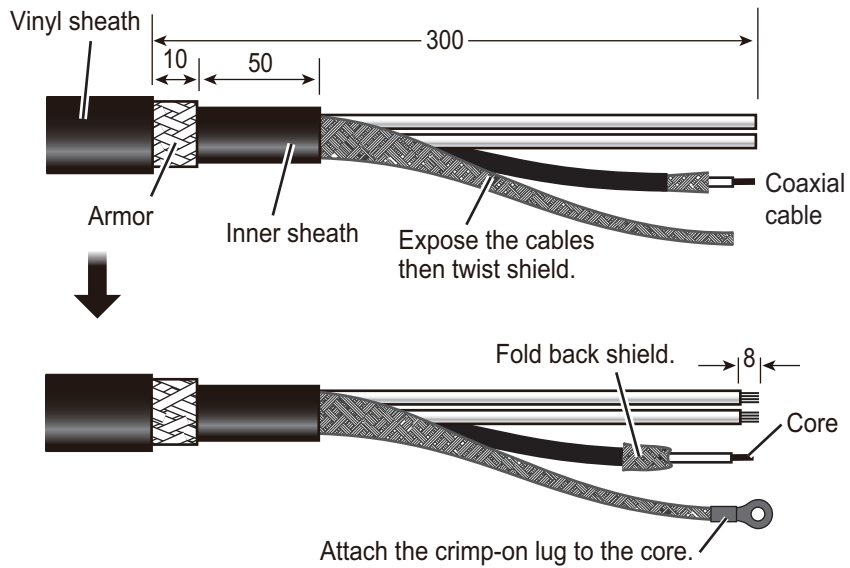
2.4.1 How to fabricate the power cable

1. Remove the armor of the cable by the amount shown in the figure below.
2. Remove the insulation of the cores 10 mm.
3. Fix crimp-on lugs (FV5.5-4, yellow, supplied) to the cores. Cover the end of the armor with vinyl tape. Lay the cable in the cable clamp on the cable entry side of the processor unit. Fasten the cable clamp.
4. Fasten the crimp-on lugs to the terminal block, referring to the interconnection diagram at the back of this manual.
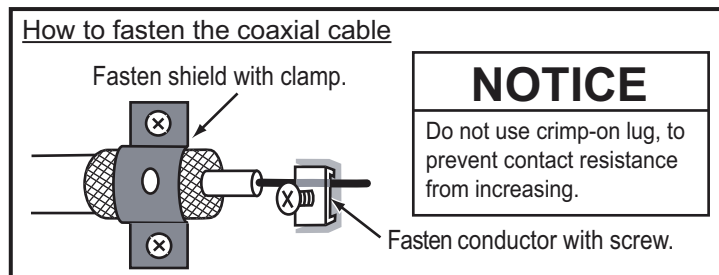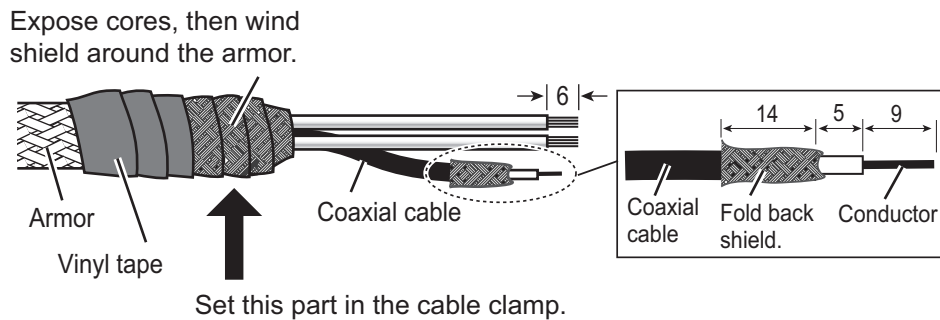
DC power: DPYC-6
AC power: DPYC-2.5

DC: 60 mm
AC: 50 mm

Armor

10

Taping

2.4.2 How to fabricate signal cable, cables from external equipment
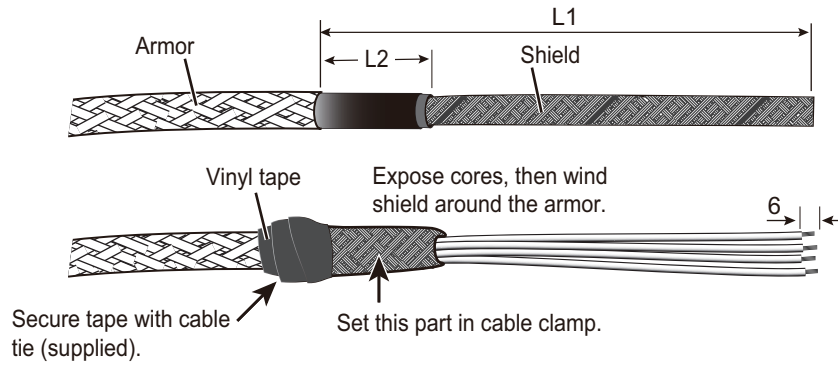
Signal cable for FAR-1518, FAR-1528

Vinyl sheath
10
50
300
Armor
Inner sheath
Expose the cables then twist shield.
Coaxial cable

Fold back shield.
8
Core
Attach the crimp-on lug to the core.

Signal cable for FAR-1513, FAR-1523

Expose cores, then wind shield around the armor.
6
14
5
9
Armor
Vinyl tape
Coaxial cable
Coaxial cable
Fold back shield.
Conductor
Set this part in the cable clamp.

How to fasten the coaxial cable
Fasten shield with clamp.

NOTICE

Do not use crimp-on lug, to prevent contact resistance from increasing.
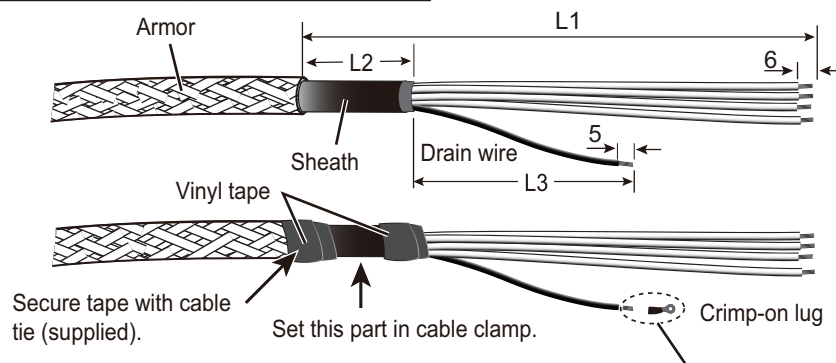
Fasten conductor with screw.

2. WIRING

TTYCS, TTYCSLA cables (for external equipment)

For lengths, see the table on the next page.

How to fabricate the TTYCS series cable

Armor

L1
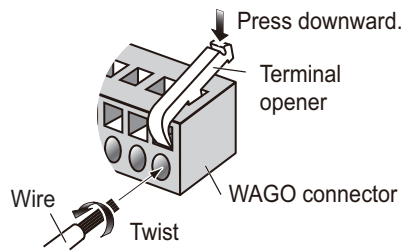
L2

Shield

Vinyl tape

Expose cores, then wind
shield around the armor.

6

Secure tape with cable
tie (supplied).

Set this part in cable clamp.

How to fabricate the TTYCSLA series cable

Armor

L1

L2

6

Sheath

Drain wire

5

L3

Vinyl tape

Secure tape with cable
tie (supplied).

Set this part in cable clamp.

Crimp-on lug

Pass the heat-resistant tubing (supplied) onto the
drain wire. Attach a crimp-on lug (preattached to the
processor unit) to the drain wire. Fasten the
crimp-on lug to its original location.

How to connect wires to WAGO connector

Press downward.

Terminal
opener

Wire

Twist

WAGO connector

<Procedure>
1. Twist the cores.
2. Press the terminal opener downward.
3. Insert the wire into the hole.
4. Remove the terminal opener.
5. Pull the wire to confirm that it is secure.

2-13

Connector, cable and lengths (L1, L2 and L3)

Connector No.	Cable type	L1	L2	L3
J613 (Ext. alarm contact signal)	TTYCSLA-7	300	70	150
J614 (HDG)	TTYCSLA-1Q	250	70	150
J615 (AIS)	TTYCSLA-4	200	70	200
J616 (GPS), J617 (LOG)	TTYCSLA-1	200	70	200
J618/J619/J620 (AMS/ECDIS/AD-10)	TTYCSLA-4	200	70	200

Signal cable RW-4864 (for sub display connection)

To use the equipment as the main radar and connect a sub-radar, connect to J612 (SUB DISPLAY 1) or J611 (SUB DISPLAY 2), using the optional signal cable RW-4864. A maximum of two sub-radars can be connected.