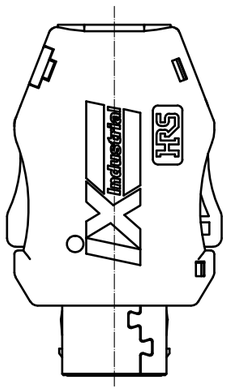
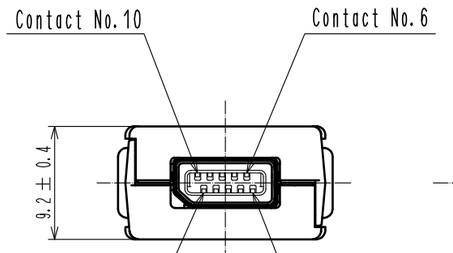
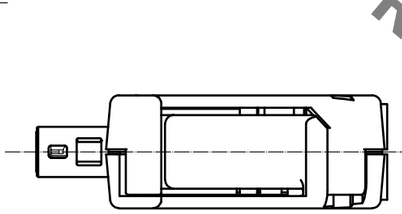
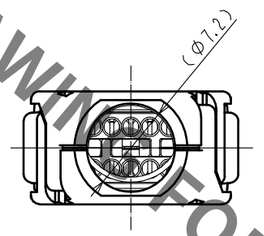
Oct.1.2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

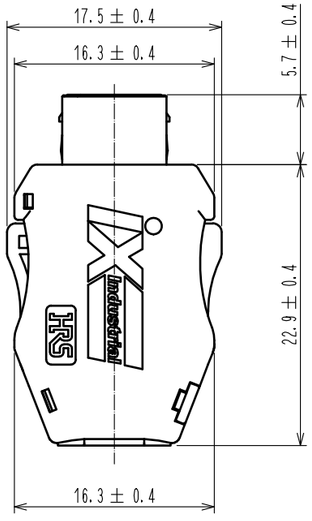
HRS DRAWING FOR REFERENCE







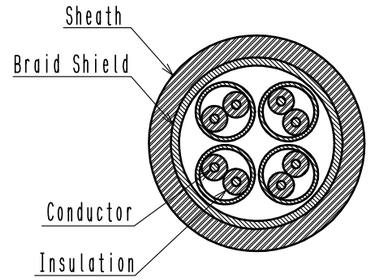




Notes. 1. Recommended cable condition is shown below.
△6 A list of compatible cables is available on the Hirose website.
When using a non-recommended cable, please contact a Hirose sales representative.
Refer to the technical specification (ETAD-E3162) for wiring and assembly procedures.

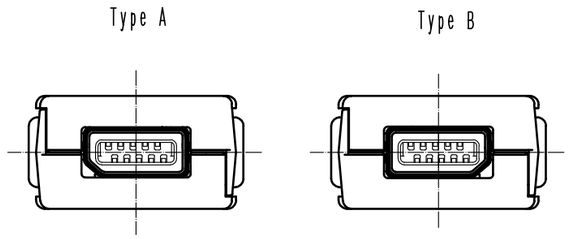
△6 Recommended Cable

Items		Recommended Condition
Conductor	Size	AWG#24 to 25
	Composition	7 stranded
	Material	Annealed copper wire
Insulation O.D.		Ø1.1 to 1.25mm
Braid Shield		Tin plating
Sheath O.D.		Ø6.3 to 7.2mm



2. This product (Type A) is defined for 10/100 Mbit/s and 1/10 Gbit/s Ethernet communication. Please use Type B for all other non Ethernet applications like signaling, serial or other industrial bus communication systems.

△6 Mating Key



△6 △3 Excluding the plug unit, this product is packaged separately by the type of parts.
The shield shell is packaged prior to bending. (See next page.)

Pin Assignment For 10/100 Mbit/s And 1/10 Gbit/s Ethernet

Contact No.	Signal	
	10/100 Mbit/s	1/10 Gbit/s
1	TX+	BI_DA+
2	TX-	BI_DA-
3	N.C	N.C
4	N.C	BI_DC+
5	N.C	BI_DC-
6	RX+	BI_DB+
7	RX-	BI_DB-
8	N.C	N.C
9	N.C	BI_DD+
10	N.C	BI_DD-

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
4	PA	Black、UL94V-0			
3	Stainless Steel		8	PC	Dark gray、UL94V-0
2	PA	Dark gray、UL94V-0	7	Stainless Steel	Nickel 0.2 μm min
1	Copper Alloy	Contact area : Gold 0.2 μm min Wiring area : Gold 0.03 μm min Under plating : Nickel 2 μm min	6	Stainless Steel	Nickel 1μm min
			5	PC	Clear yellow、UL94V-0

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△6	6	DIS-E-00006881	MT. YASUDA	KI. KAGOTANI	20211025

HIROSE ELECTRIC CO., LTD.

APPROVED	RI. TAKAYASU	20170324
CHECKED	KI. NAGANUMA	20170324
DESIGNED	HT. SATO	20170324
DRAWN	HT. SATO	20170324

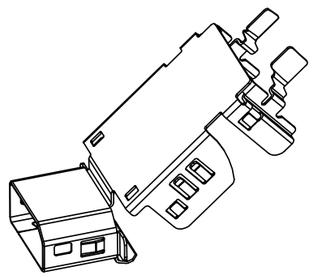
DRAWING NO.	EDC-129485-00-00
PART NO.	IX31G-A-10S-CV(7.0)
CODE NO.	CL0251-0023-0-00

△6 1/2

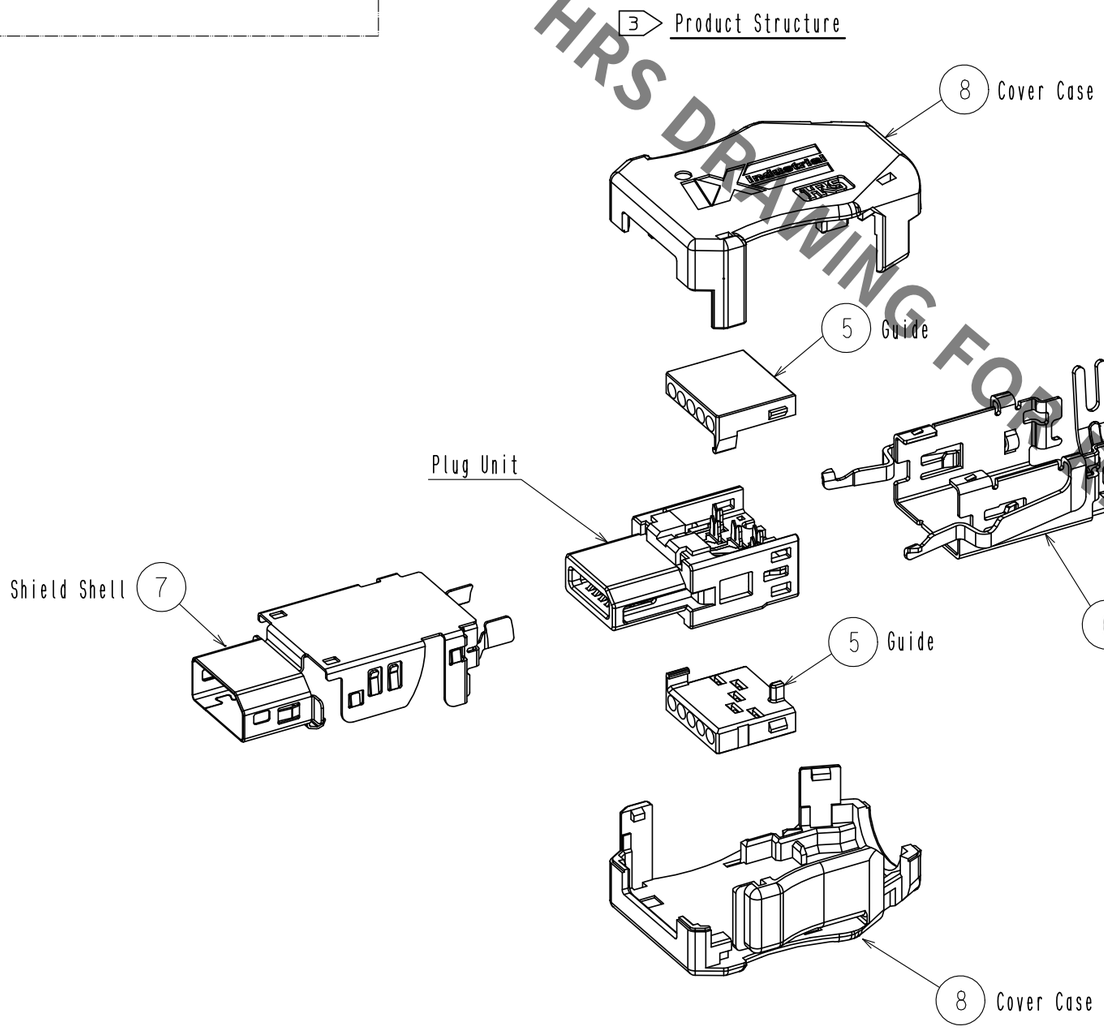
Oct.1.2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE

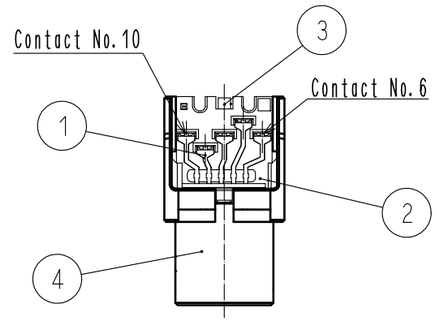
3 Shield Shell Delivery Form

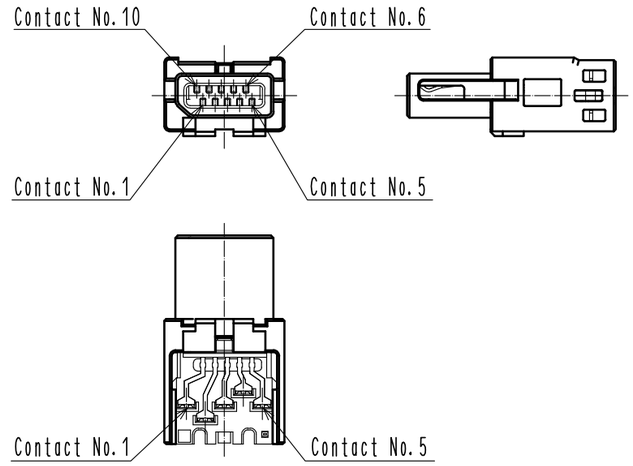


3 Product Structure

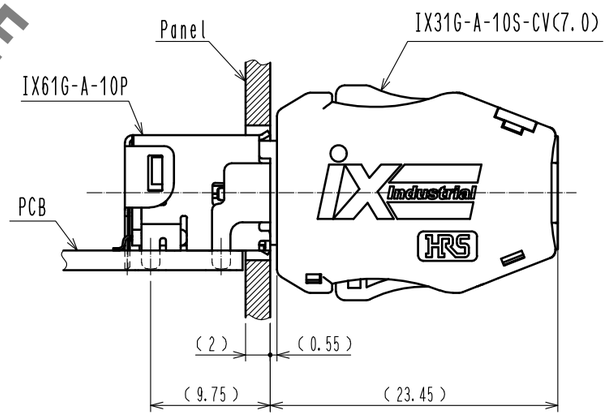


Plug Unit





6 Mated Condition



DRAWING NO.	EDC-129485-00-00
PART NO.	IX31G-A-10S-CV(7.0)
CODE NO.	CL0251-0023-0-00

6 2/2