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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

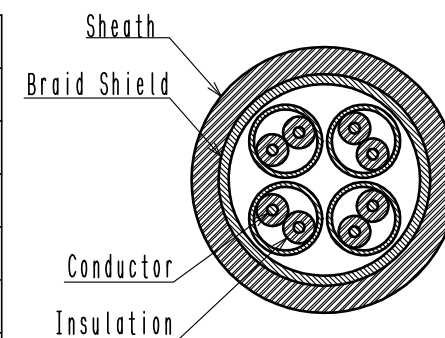
A
B
C
D
E
F

1 2 3 4 5 6 7 8

Notes. 1. Recommended cable condition is shown below.
⚠ 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-E3213) for wiring and assembly procedures.

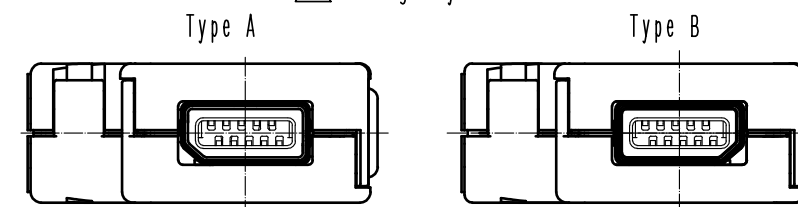
⚠ Recommended Cable

Items		⚠ Recommended Condition
Conductor	Size	AWG#24 to 25
	Composition	7 stranded
	Material	Annealed copper wire
Insulation O.D.		φ1.1 to 1.25mm
Braid Shield		Tin plating
Sheath O.D.		φ6.3 to 7.2mm

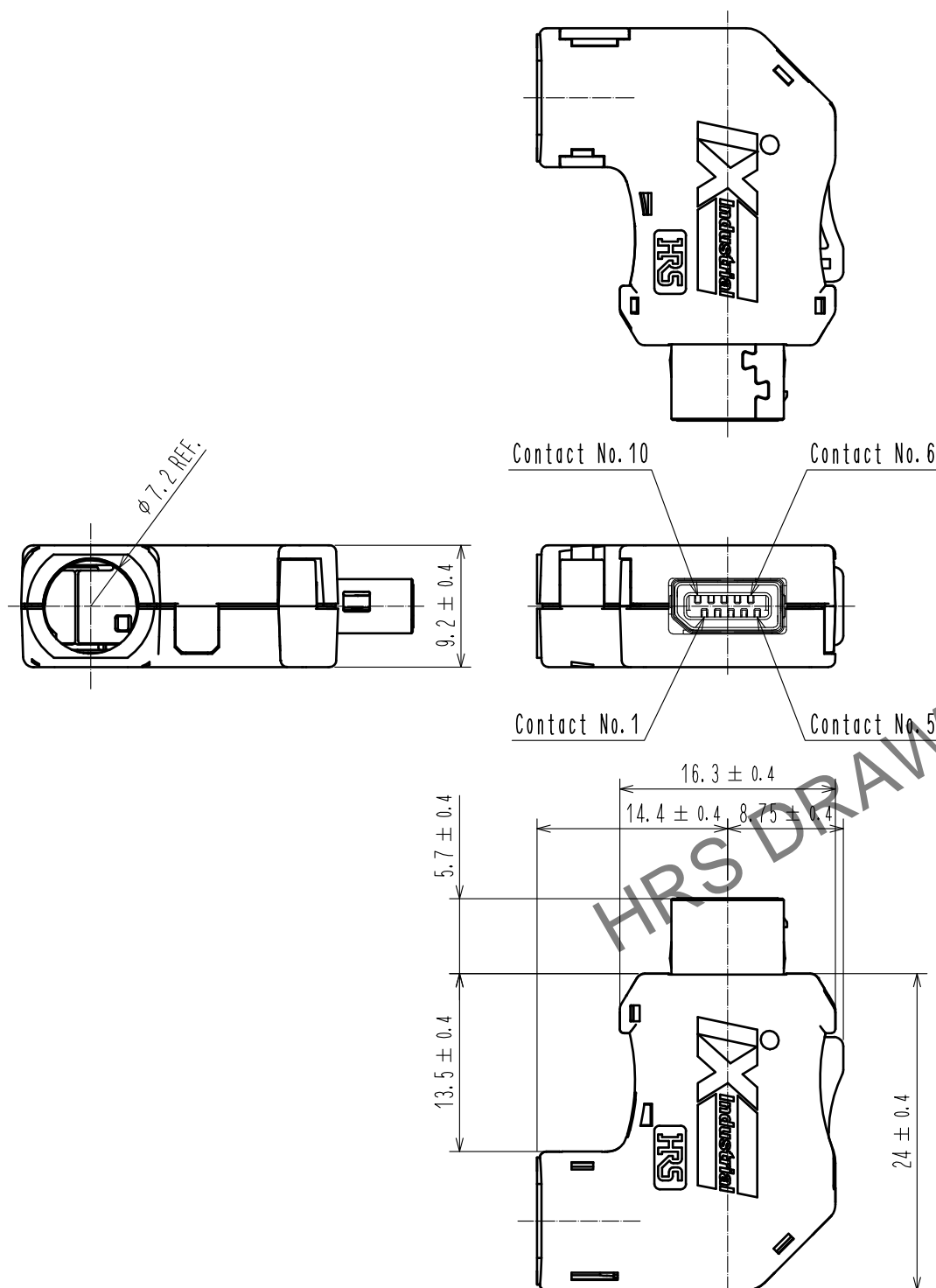


2 This product (Type A) is defined for 10/100 Mbit/s and 1/10 Gbit/s Ethernet communication. Please use Type B for all other non Ethernet applications like signaling, serial or other industrial bus communication systems.

⚠ Mating Key



⚠ 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.) Refer to the technical specification (ETAP-E3224) for packing.



4	PA	Black, UL94V-0	9	PC	Dark gray, 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 1 μm min
			5	PC	Clear yellow, UL94V-0
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 2 : 1	COUNT ⚠ 6	DESCRIPTION OF REVISIONS DIS-E-00006881	
HRS HIROSE ELECTRIC CO., LTD.		APPROVED : MN. KENJO	20200519	DESIGNED MT. YASUDA	
		CHECKED : KI. NAGANUMA	20200519	CHECKED KI. KAGOTANI	
		DESIGNED : MT. YASUDA	20200519	DATE 20211025	
		DRAWN : MY. KOMUKAI	20200519		
			DRAWING NO.	EDC-129979-00-00	
			PART NO.	IX31G-A-10S-CVL1(7.0)	
			CODE NO.	CL0251-0067-0-00	
				⚠ 1/2	

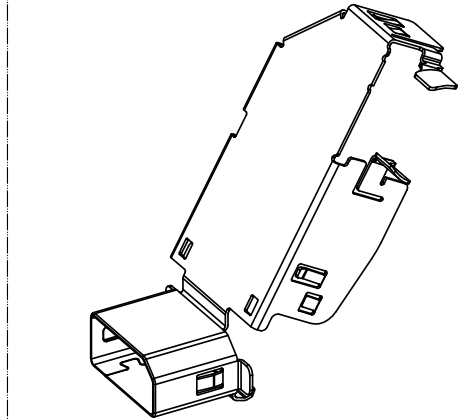
FORM HC0011-5-7 1 2 3 4 5 6 7 8

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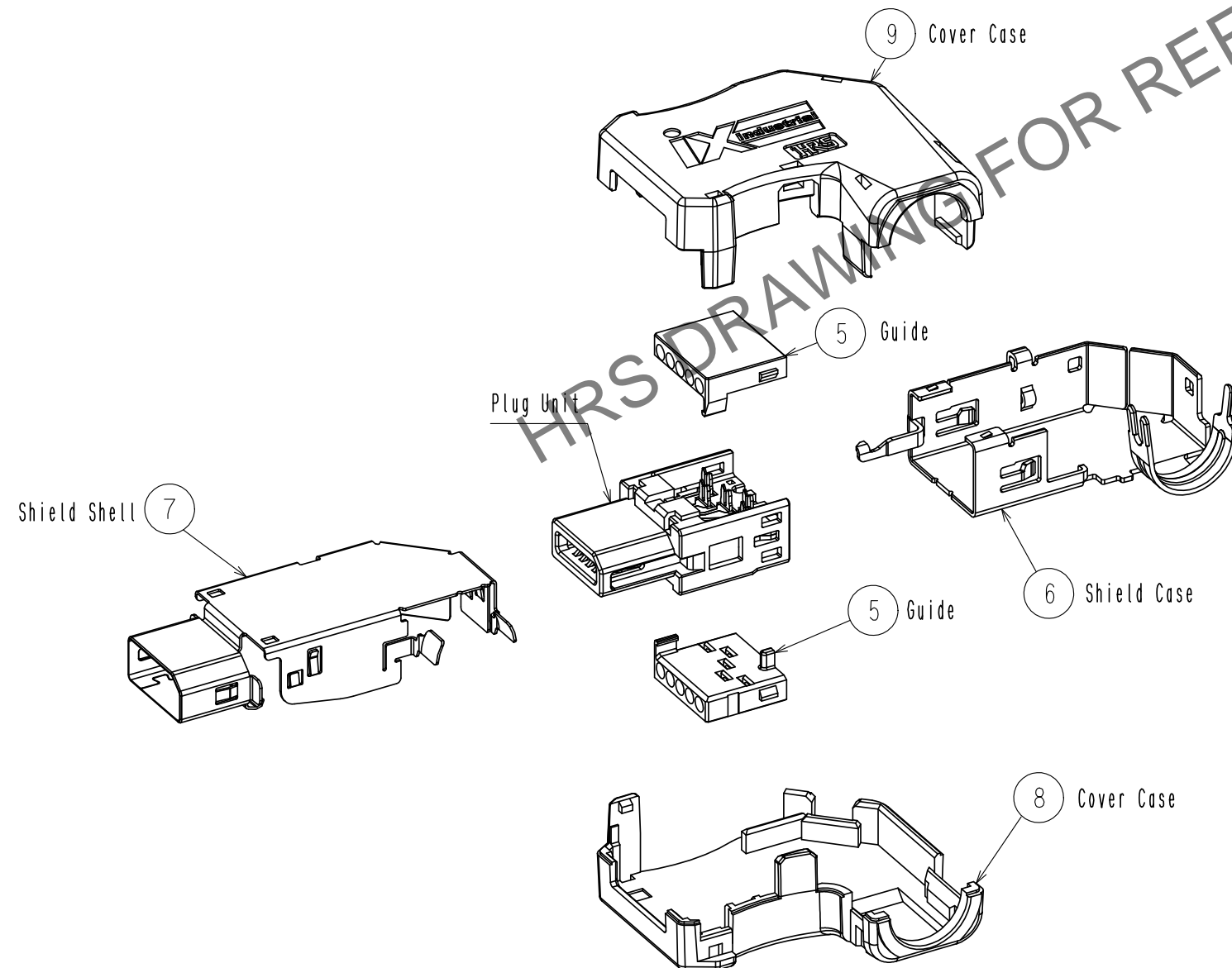
2 Pin Assignment For 10/100 Mbit/s And 1/10 Gbit/s Ethernet

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-

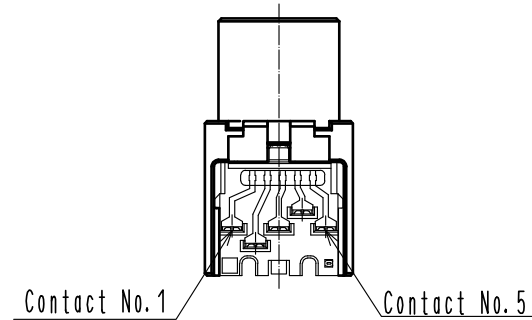
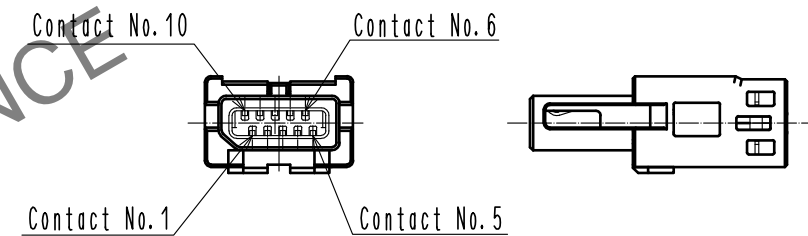
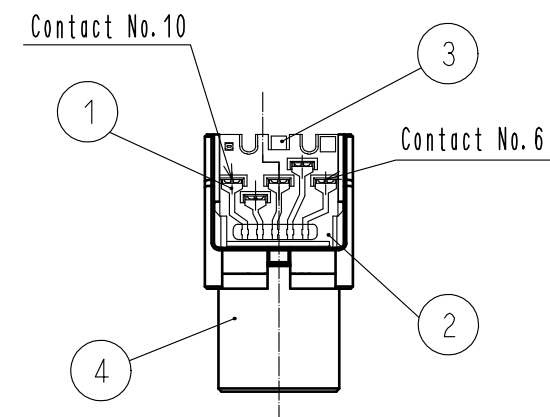
3 Shield Shell Delivery Form



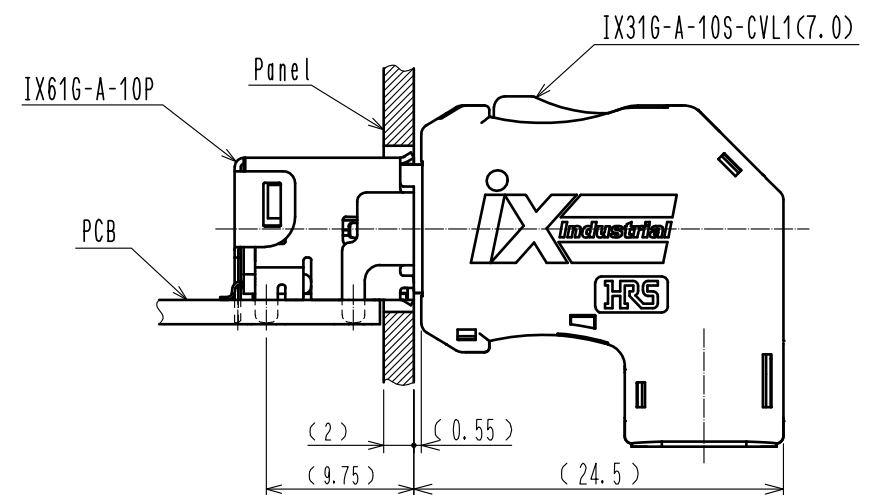
3 Product Structure



Plug Unit



Mated Condition



HRS

DRAWING NO.	EDC-129979-00-00
PART NO.	IX31G-A-10S-CVL1(7.0)
CODE NO.	CL0251-0067-0-00

2/2