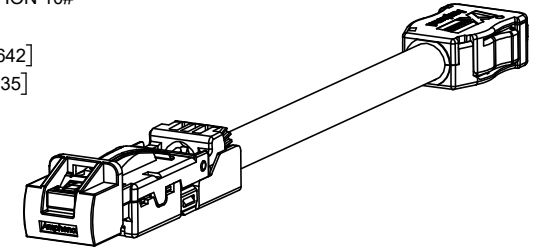
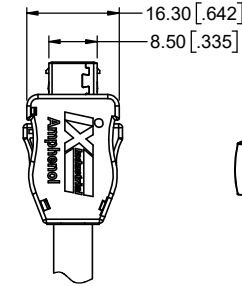
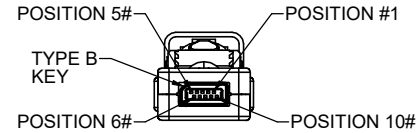
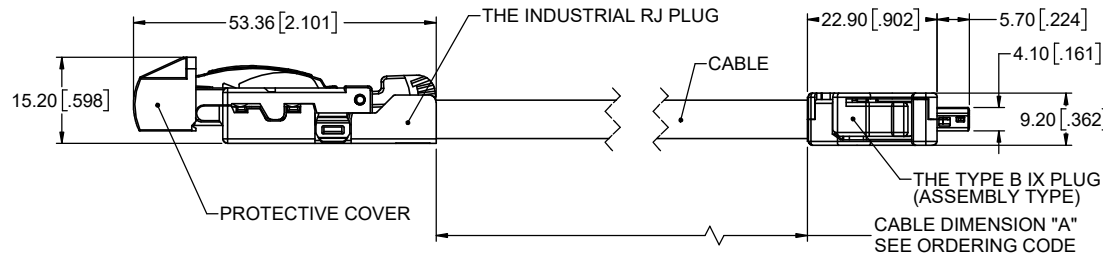


FIGURE 1: STRAIGHT CABLE EXIT + TYPE A IX PLUG(ASSEMBLY TYPE) (ORDERING CODE: DRPC6-XXX0-9AX0)

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	AUG31/22	K.T.
B	CORRECT GOLD PLATING ERROR	MAR18/25	K.T.



ISOMETRIC VIEW

CONNECTOR PIN ASSIGNMENT				
RJ45 POSITION NUMBER	WIRE COLOUR (TIA/EIA 568B)	PIN ASSIGNMENT 10 OR 100 MBIT/S ETHERNET	PIN ASSIGNMENT 1, 2, 5, 6 OR 10 GBIT/S ETHERNET	IX PLUG POSITION NUMBER
1	WHITE/ORANGE	TX +	BI_DA +	1
2	ORANGE	TX -	BI_DA -	2
-	-	NOT USED	-	3
4	BLUE	NOT USED	BI_DC +	4
5	WHITE/BLUE	NOT USED	BI_DC -	5
3	WHITE/GREEN	RX +	BI_DB +	6
6	GREEN	RX -	BI_DB -	7
-	-	NOT USED	-	8
7	WHITE/BROWN	NOT USED	BI_DD +	9
8	BROWN	NOT USED	BI_DD -	10

NOTE:
CONTACTS #3 & #8 ARE CONNECTED TO THE SHIELD / CABLE BRAID, TWISTED PAIRS FOR IX PLUG POSITIONS 1/2, 4/5, 6/7 & 9/10.

NOTES:

- MATERIAL: RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
A). INDUSTRIAL RJ PLUG:
RJ TERMINALS: COPPER ALLOY, PLATING: SELECTIVE GOLD PLATING ON MATING SURFACES SEE ORDERING CODE FOR THICKNESS, MATTE TIN ON TAILS AND NICKEL UNDERPLATE
IDC TERMINALS: COPPER ALLOY, PLATING: MATTE TIN OVERALL AND NICKEL UNDERPLATE
SHIELDS: ZINC ALLOY, PLATING: NICKEL OVERALL AND COPPER UNDERPLATE
LATCH & SPRING: STAINLESS STEEL
HOUSING & WIRE COVER & CABLE OUTLET COVER & PROTECTIVE COVER: ENGINEERING THERMOPLASTIC, FLAMMABILITY RATING UL94V-0, COLOUR: BLACK
B). CABLE: COPPER CONDUCTOR 26AWG&24AWG, 7 STRANDS, PE INSULATION, METAL FOIL WRAPPED TWISTED PAIRS, OVERALL TIN PLATED BRAID, PVC JACKET DIA 6.3 TO 7.2MM(.244" TO .283")
C). IX PLUG:
CONTACTS: COPPER ALLOY, PLATING: SELECTIVE GOLD PLATING ON MATING SURFACES SEE ORDERING CODE FOR THICKNESS AND NICKEL UNDERPLATE
HOUSING & INSERTS: HIGH TEMPERATURE THERMOPLASTIC, FLAMMABILITY RATING UL94V-0, COLOUR: BLACK
PLUG COVER: POLYCARBONATE, FLAMMABILITY RATING UL94V-0, COLOUR: BLACK
SHIELD: STAINLESS STEEL, NICKEL PLATED
- INDUSTRIAL RJ PLUG DESIGNED TO CONFORM TO REQUIREMENTS OF TIA-1096A & IEC 60603-7-1 & FCC Part 68, SUBPART F SPECIFICATION, IX PLUG DESIGNED TO CONFORM TO REQUIREMENTS OF IEC 61076 PART 3-124 SPECIFICATION, THE INDUSTRIAL RJ PLUG AND IX PLUG KEY FEATURE SHOWN IS INTENDED TO USE WITH ETHERNET APPLICATIONS, EITHER 10/100 MBIT/S OR 1 TO 10 GBIT/S (CAT 5e, 6 & 6A).
- CURRENT RATING: 1.5 AMPERES, VOLTAGE RATING: 60V DC
- OPERATING TEMPERATURE: -40°C TO +80°C.
- DIELECTRIC WITHSTANDING VOLTAGE: 500V DC.
- INSULATION RESISTANCE: 500 MEGOHMS MINIMUM.
- MATING & UNMATING FORCE: 20N MAXIMUM FOR RJ PLUG, 25N MAXIMUM FOR IX PLUG.

ORDERING CODE: DRP C 6 - X XX X - X X X X

CABLE ASSEMBLY
INDUSTRIAL RJ PLUG +
TYPE B IX PLUG(ASSEMBLY TYPE)

CABLE TYPE:
1 = 26#AWG, S-FTP
2 = 24#AWG, S-FTP

CABLE LENGTHS (DIMENSION "A")	
	LENGTH IN CM
20 TO 99	
A0 TO A9	1 METER + 0 TO 9 DECIMETERS
B0 TO B9	2 METER + 0 TO 9 DECIMETERS
C0 TO C9	3 METER + 0 TO 9 DECIMETERS
D0 TO D9	4 METER + 0 TO 9 DECIMETERS
E0 TO E9	5 METER + 0 TO 9 DECIMETERS
F0 TO F9	6 METER + 0 TO 9 DECIMETERS
G0 TO G9	7 METER + 0 TO 9 DECIMETERS
H0 TO H9	8 METER + 0 TO 9 DECIMETERS
J0 TO J9	9 METER + 0 TO 9 DECIMETERS
K0 TO K9	10 METER + 0 TO 9 METERS
L0 TO L9	20 METER + 0 TO 9 METERS
M0 TO M9	30 METER + 0 TO 9 DECAMETERS

CABLE LENGTH ORDERING CODE EXAMPLES:
75CM=F5, 6.3M=F3, 25M=L5, 80M=M5

0 = STANDARD[7 STRANDS], GRAY COLOUR

0 = STANDARD, BLACK COLOUR HOUSING
GOLD PLATING OPTIONS:
1 = GOLD FLASH PLATING
2 = 6µ" GOLD PLATING
4 = 50µ" GOLD PLATING
THE SECOND PLUG CABLE EXIT DIRECTION OPTIONS:
A = STRAIGHT

THE FIRST INDUSTRIAL RJ PLUG CABLE EXIT DIRECTION OPTIONS:
1 = 45 DEGREE TOWARDS THE BOTTOM
2 = 45 DEGREE TOWARDS THE RIGHT
3 = 45 DEGREE TOWARDS THE TOP
4 = 45 DEGREE TOWARDS THE LEFT
5 = 90 DEGREE TOWARDS THE BOTTOM
6 = 90 DEGREE TOWARDS THE RIGHT
7 = 90 DEGREE TOWARDS THE TOP
8 = 90 DEGREE TOWARDS THE LEFT
9 = STRAIGHT

NOTE:
THE CABLE EXIT OPTIONS REFER TO FIGURE 1 & 2 & 3, THE TOWARDS OPTIONS REFER TO FIGURE 4.



UNLESS SPECIFIED OTHERWISE	DRAWN	RONNIE.C	AUG31/22
PRIMARY UNITS MILLIMETERS	CHECKED	K.TANG	AUG31/22
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	O.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

Amphenol Canada Corp. Commercial Products			
INDUSTRIAL PLUG CABLE ASSEMBLY, INDUSTRIAL RJ PLUG + TYPE B IX PLUG (ASSEMBLY TYPE), RoHS COMPLIANT			
P-DRPC6-XXXX-XXXX			REV B
DWG. NO.	CODE ID NO. 03554	DWG SIZE: X	SCALE: 3:2 SHEET 1 OF 2

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REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	AUG31/22	K.T.
B	CORRECT GOLD PLATING ERROR	MAR18/25	K.T.

FIGURE 2: 45 DEGREE TOWARDS THE BOTTOM + TYPE A IX PLUG(ASSEMBLY TYPE) (ORDERING CODE: DRPC6-XXX0-1AX0)

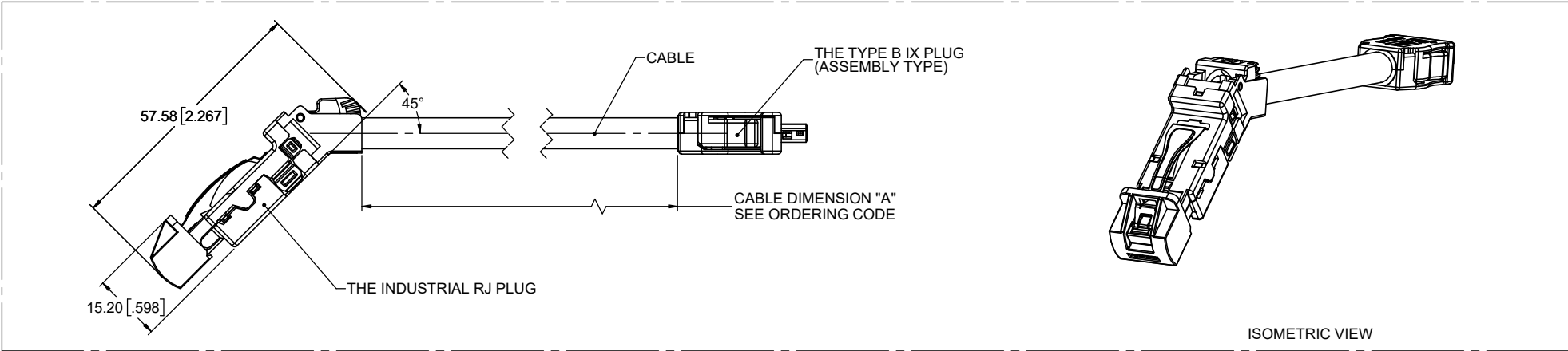


FIGURE 3: 90 DEGREE TOWARDS THE TOP + TYPE A IX PLUG(ASSEMBLY TYPE) (ORDERING CODE: DRPC6-XXX0-7AX0)

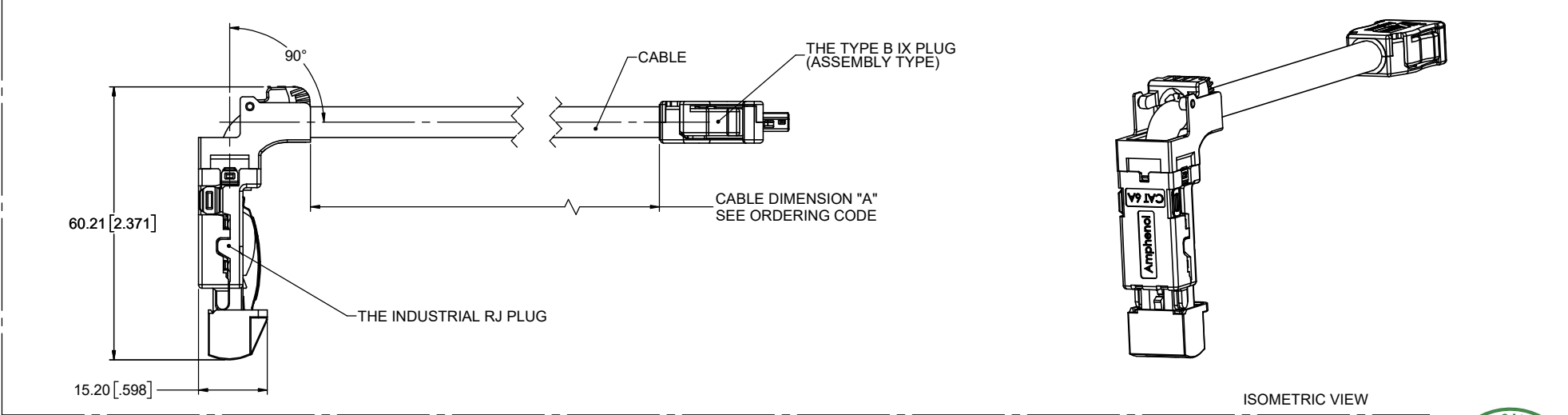
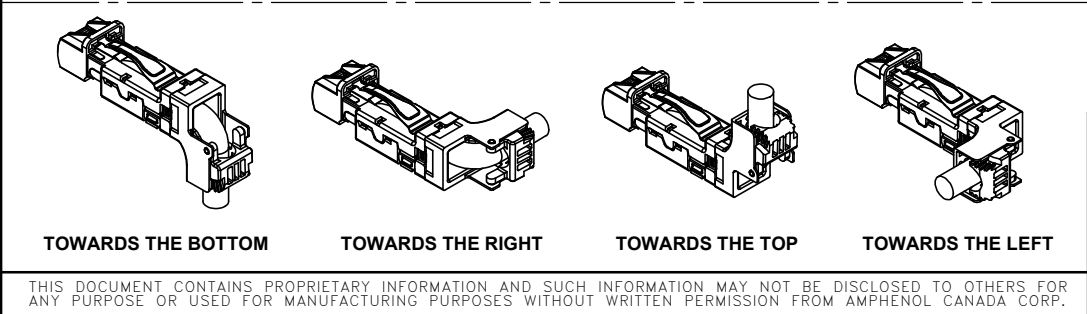


FIGURE 4: TOWARDS OPTIONS FOR 45 DEGREE & 90 DEGREE(90 DEGREE SHOWN, SCALE 1:1):



UNLESS SPECIFIED OTHERWISE		DRAWN	RONNIE.C	AUG31/22
PRIMARY UNITS MILLIMETERS		CHECKED	K.TANG	AUG31/22
SECONDARY UNITS INCHES		M.E. APP'D		
REFERENCE IN PARENTHESES		Q.A. APP'D		
GENERAL TOLERANCES		DWG APPR.		
1 DECIMAL PLACE		ENG. REL. NO.		
2 DECIMAL PLACES		REF.		
3 DECIMAL PLACES		THIRD ANGLE PROJECTION		
ANGULAR DEGREES		DO NOT SCALE DRAWING		

Amphenol Canada Corp. Commercial Products			
INDUSTRIAL PLUG CABLE ASSEMBLY, INDUSTRIAL RJ PLUG + TYPE B IX PLUG (ASSEMBLY TYPE), RoHS COMPLIANT			
DWG. NO.		REV	
P-DRPC6-XXXX-XXXX		B	
CODE ID NO. 03554	DWG SIZE: X	SCALE: 3:2	SHEET 2 OF 2

