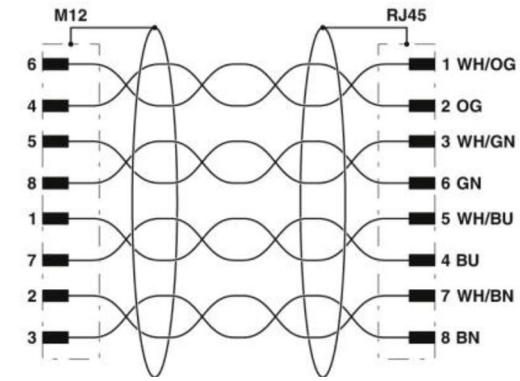
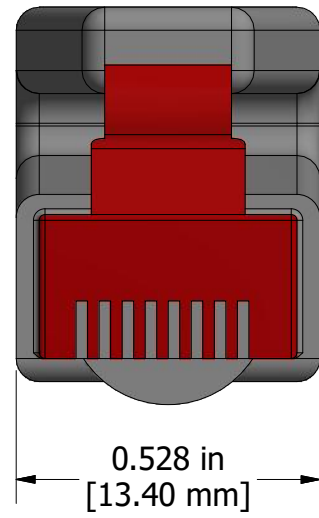
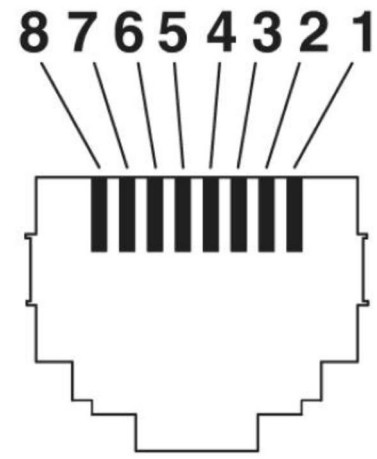


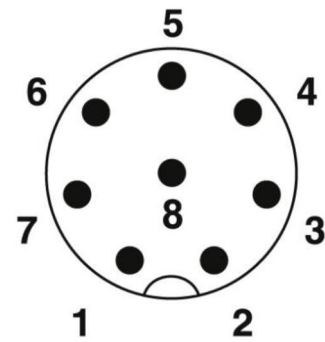
DETAIL A



Circuit diagram contact assignment of the M12 and RJ45 plug

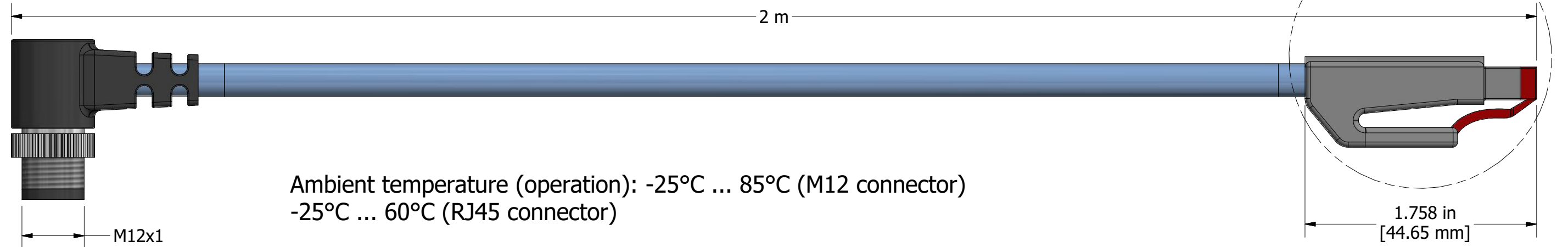
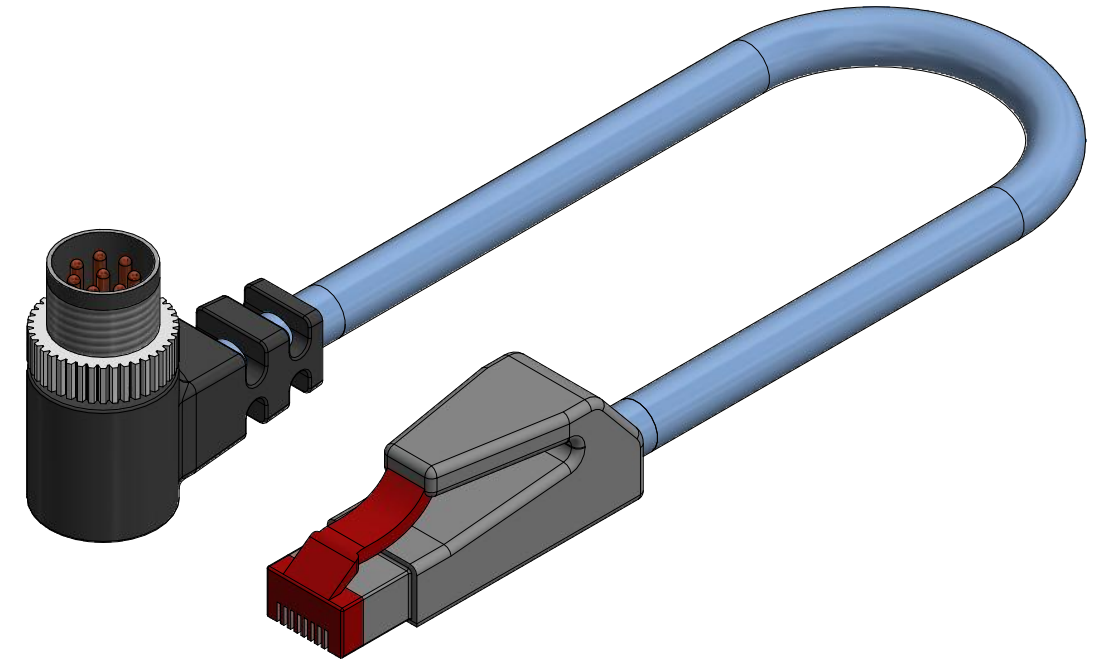


Schematic diagram connector pin assignment RJ45 plug



Schematic diagram pin assignment M12 plug, 8-positions, A-coded

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
P1-D1	INITIAL RELEASE	2022-01-17	GDV





Ambient temperature (operation): -25°C ... 85°C (M12 connector)
-25°C ... 60°C (RJ45 connector)

Degree of protection: IP65 (M12 connector), IP67 (M12 connector when plugged), IP20 (RJ45 connector)

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MATERIAL NA	DRAWN EL	DATE 2022-01-17	TITLE 8-POSITION - AUTOMOTIVE ETHERNET / ETHERNET CABLE				
FINISH NA	CHECKED	DATE	DWG REV D1	DWG NO AX070535-MD	PART REV P1		
THIRD ANGLE PROJECTION	TOOL INVENTOR SIZE B	APPROVED	DATE	SCALE 1.25	PART NO AX070535	SHEET 1 of 2	

General Data for AX070535 8-Position Cable

GENERAL DATA	
FEATURE	INFORMATION
Rated current at 40°C	1 A
Rated voltage	48 v AC / 60 V DC
Number of positions	8
Signal type/category	Ethernet CAT5 (on the basis of IEC 11801) 1 Gbps
Standards/regulations	M12 connector IEC 61076-2-101
Contact material	CuSn
Contact carrier material	TPU GF
Contact surface material	Ni/Au
Housing material	Plastic
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

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MATERIAL NA	DRAWN EL	DATE 2022-01-17	TITLE 8-POSITION - AUTOMOTIVE ETHERNET / ETHERNET CABLE				
FINISH NA	CHECKED	DATE	DWG REV D1	DWG NO AX070535-MD	PART REV P1		
THIRD ANGLE PROJECTION 	TOOL INVENTOR SIZE B	APPROVED	DATE	SCALE 1	PART NO AX070535	SHEET 2 of 2	