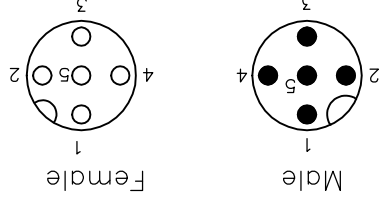


Schematic diagram

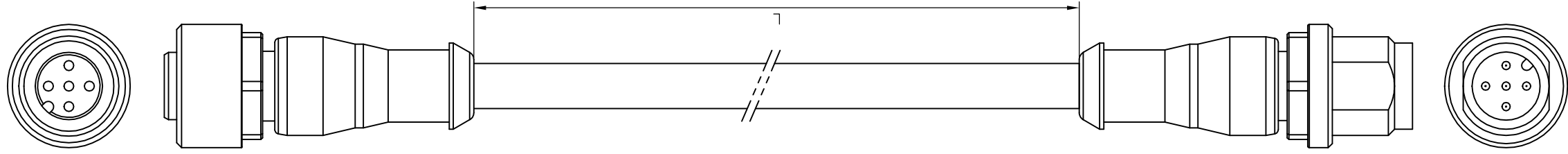


Contact Layout

Electrical data	
Rated voltage:	max. 60V AC/DC (UL rating 30V AC/DC)
Rated current:	max. 4A per contact
Rated impuls voltage:	1.5kV
Pollution degree:	3
Material group:	Category I according to IEC 60664-1
Fieldbus:	CANopen / DeviceNet

Mechanical data	
Housing:	M12 female straight, black
Screw:	M12x1 zinc pressure die casting surface NI
Connection:	plugable screw locking A/F 13 recommended breakaway torque 0.6Nm
Temp. range:	-25°C to +85°C (for connector)
Protection:	IP67

NOTES:
Tolerances cable lengths:
0m to 0.5m +30mm
0.5m to 1.0m +50mm
1.0m to 3.0m +100mm
>3.0m +1.5%



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SATHISH KUMAR G 22DEC2014		CHK B.VELDHOVEN 22DEC2014		NAME A.VAN ZANDVOORT 22DEC2014		M12 STRGT PLUG TO M12 STRGT SOCKET AA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 22DEC2014		CAGE CODE 00779		DRAWING NO. -2289297	
MATERIAL		FINISH		SIZE A3		SCALE NTS		SHEET 1 OF 2	
0 PLC ±		4 PLG ANGLES ±		WEIGHT		CUSTOMER DRAWING		REV C	
1 PLC ±		3 PLC ±		114-32127		RESTRICTED TO			
2 PLC ±		2 PLC ±		108-19483					
3 PLC ±		1 PLC ±		APPLICATION SPEC					
4 PLG ±		0 PLC ±		PRODUCT SPEC					

ITEM	DESCRIPTION	TE PN	JACKET COLOR	MATERIAL	LENGTH "L"
1	5x22AWG PUR 1.5m	2289297-1	BLACK	PUR	1.5mtr
2	5x22AWG PUR 3.2m	2289297-2			3.2mtr
3	5x22AWG PUR 4.7m	2289297-3			4.7mtr
4	5x22AWG PUR 6.2m	2289297-4			6.2mtr
5	5x22AWG PUR 7.7m	2289297-5			7.7mtr
6	5x22AWG PUR 9m	2289297-6			9mtr
7	5x22AWG PUR 10.2m	2289297-7			10.2mtr
8	5x22AWG PUR 12m	2289297-8			12mtr
9	5x22AWG PUR 13m	2289297-9			13mtr
10	5x22AWG PUR 15.2m	1-2289297-0			15.2mtr
11	5x22AWG PUR 20m	1-2289297-1			20mtr
12	5x22AWG PUR 25m	1-2289297-2			25mtr
13	5x22AWG PUR 35m	1-2289297-3			35mtr
14	5x22AWG PUR 45m	1-2289297-4			45mtr
15	5x22AWG PUR 60m	1-2289297-5			60mtr
16	5x22AWG PUR 75m	1-2289297-6			75mtr

REVISIONS	DESCRIPTION	DATE	DWN	APVD
C	ECR-18-005453	25MAY2018	GSK	SS

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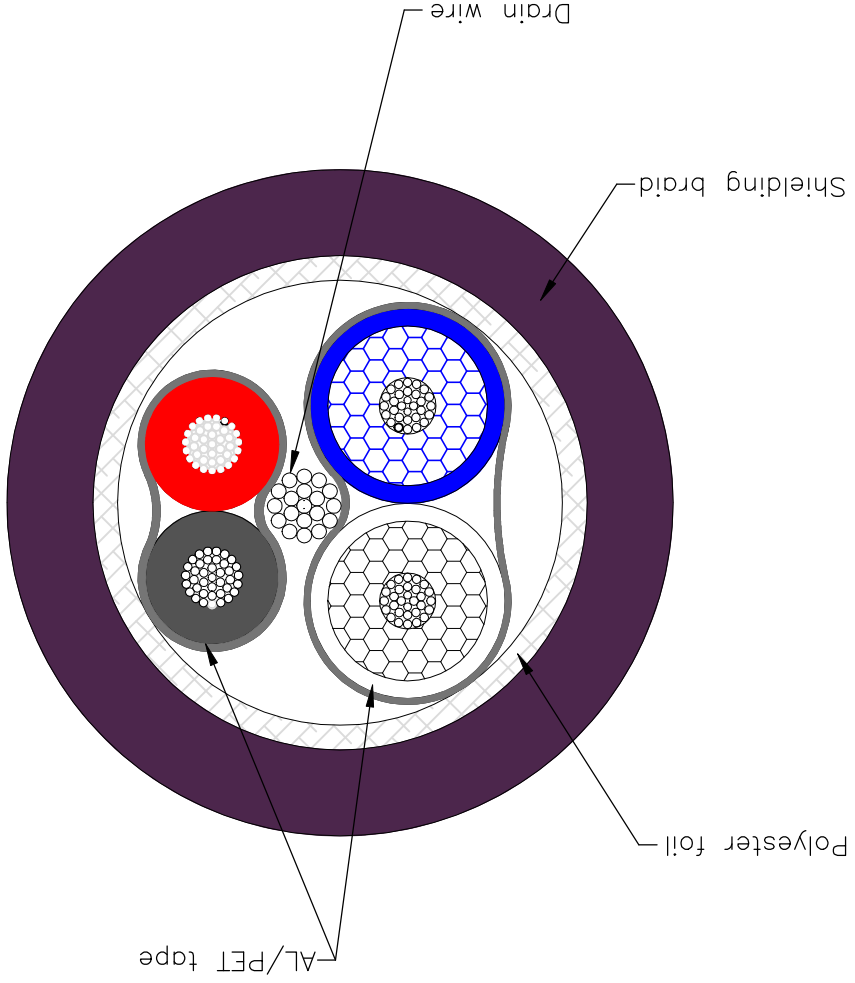
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REVOLUTIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

DWN 22DEC2014		SATHISH KUMAR G 22DEC2014		CHK 22DEC2014		B.VELDHOVEN 22DEC2014		APVD 22DEC2014		A.VAN ZANDVOORT 22DEC2014		NAME		M12 STRGT PLUG TO M12 STRGT SOCKET AA									
MATERIAL		-		DIMENSIONS:		mm		FINISH		0 PLC ± -		1 PLC ± -		2 PLC ± -		3 PLC ± -		4 PLC ± -		ANGLES		± -	
WEIGHT		-		APPLICATION SPEC		114-32127		PRODUCT SPEC		108-19483		CAGE CODE		A300779		DRAWING NO		-2289297		SCALE		NTS	
CUSTOMER DRAWING		-		SHEET		2 of 2		REV		C		RESTRICTED TO		-		-		-		-		-	

Cable diameter	2x0.25+ 2x0.34mm ²	6.9mm±5%
Conductor colors	DATA PAIR: BLUE, WHITE 0.25mm ² ; POWER PAIR: BLACK, RED 0.34mm ²	
Conductor construction	0.25: tinned copper wire 22/19AWG, paired in AL/PET tape 0.34mm ² : tinned copper wire 24/19AWG, paired in AL/PET tape	
Conductor isolation	0.25mm ² : solid polyethylene outer dia 2.10mm ±5% 0.34mm ² : foam skin polyethylene outer dia 1.55mm ±5%	
Banding	Polyester foil, tinned copper wires (coverage min. 65%), drain wire 24/19AWG	
Outer jacket	Halogen free PUR, color: Violet	
Resistance	Good oil, petrol and chemical resistance, UV resistance compliant UL1581	
Electrical data	Nominal voltage 300v max operating voltage Dielectric strength cond/cond, cond/shield: 1.5kVac/1min	
Temperature range	-40°C to +80°C Fixed -30°C to +70°C Flexible	
Drag chain data	Translation speed: < 3.0m/s; acceleration: < 3.0m/s (proper installation) Bending radius: 6x outer dia (static); 12x outer dia (axial drag chain)	
Drag chain data	12x outer diameter, max. 5 million cycles Torsion range	
Permission	UL (AWM style 2023), CSA	
Manufacturer & type	CEAM 0502688	

CABLE DATA SHEET

NOTES:
Tolerances cable lengths:
0m to 0.5m +30mm
0.5m to 1.0m +50mm
1.0m to 3.0m +100mm
>3.0m +1.5%



REVOLUTIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

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