

4

3

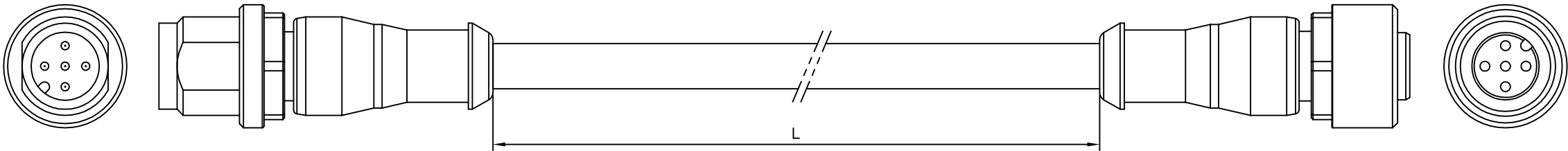
2

1

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LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	APVD
H	—		A	INITIAL RELEASE	22DEC2014	BvH
			B	ECR–15–007034	07MAY2015	BvH
			B1	ECR–15–008302	02JUN2015	BvH

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%

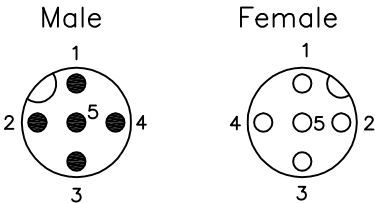


Mechanical data	
Housing:	M12 female straight, black
Screw:	M12x1 zinc pressure die casting surface Ni
Connection:	pluggable screw locking A/F 13 recommended breakaway torque 0.6Nm
Temp. range:	–25°C to +85°C (for connector)
Protection:	IP67

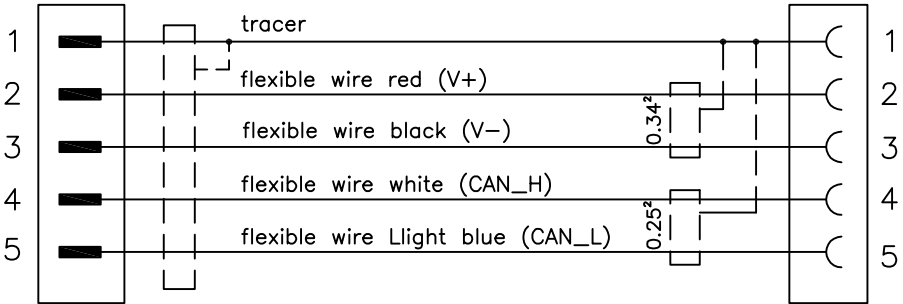
Electrical data	
Nominal voltage:	max. 60V AC/DC (UL rating 30V AC/DC)
Rated current:	max. 4A per contact
Rated impuls voltage:	1.5kV
Pollution degree:	3
Material group:	Categorie I according to IEC 60664–1
Fieldbus:	CANopen / DeviceNet

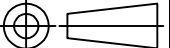
5 pos	75mtr	PUR	BLACK	1–2289297–6	5x22AWG PUR 75m	16
	60mtr			1–2289297–5	5x22AWG PUR 60m	15
	45mtr			1–2289297–4	5x22AWG PUR 45m	14
	35mtr			1–2289297–3	5x22AWG PUR 35m	13
	25mtr			1–2289297–2	5x22AWG PUR 25m	12
	20mtr			1–2289297–1	5x22AWG PUR 20m	11
	15mtr			1–2289297–0	5x22AWG PUR 15m	10
	13mtr			2289297–9	5x22AWG PUR 13m	9
	12mtr			2289297–8	5x22AWG PUR 12m	8
	10mtr			2289297–7	5x22AWG PUR 10m	7
	9mtr			2289297–6	5x22AWG PUR 9m	6
	7.5mtr			2289297–5	5x22AWG PUR 7.5m	5
	6mtr			2289297–4	5x22AWG PUR 6m	4
	4.5mtr			2289297–3	5x22AWG PUR 4.5m	3
	3mtr			2289297–2	5x22AWG PUR 3m	2
	1.5mtr			2289297–1	5x22AWG PUR 1.5m	1
LENGTH "L"		MATERIAL	JACKET COLOR	TE PN	DESCRIPTION	ITEM

Contact Layout



Schematic diagram



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SATHISH KUMAR G 22DEC2014	TE Connectivity					
		CHK B.VELDHOVEN 22DEC2014						
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD A.VAN ZANDVOORT 22DEC2014	NAME M12 STRGT PLUG TO M12 STRGT SOCKET AA					
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	PRODUCT SPEC 108-19483						
MATERIAL -	FINISH -	APPLICATION SPEC 114-32127	SIZE A3	CAGE CODE 00779	DRAWING NO C-2289297	RESTRICTED TO -		
CUSTOMER DRAWING					SCALE NTS	SHEET 1 of 2	REV B1	

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NOTES:

Tolerances cable lengths:

0m to 0.5m +30mm

0.5m to 1.0m +50mm

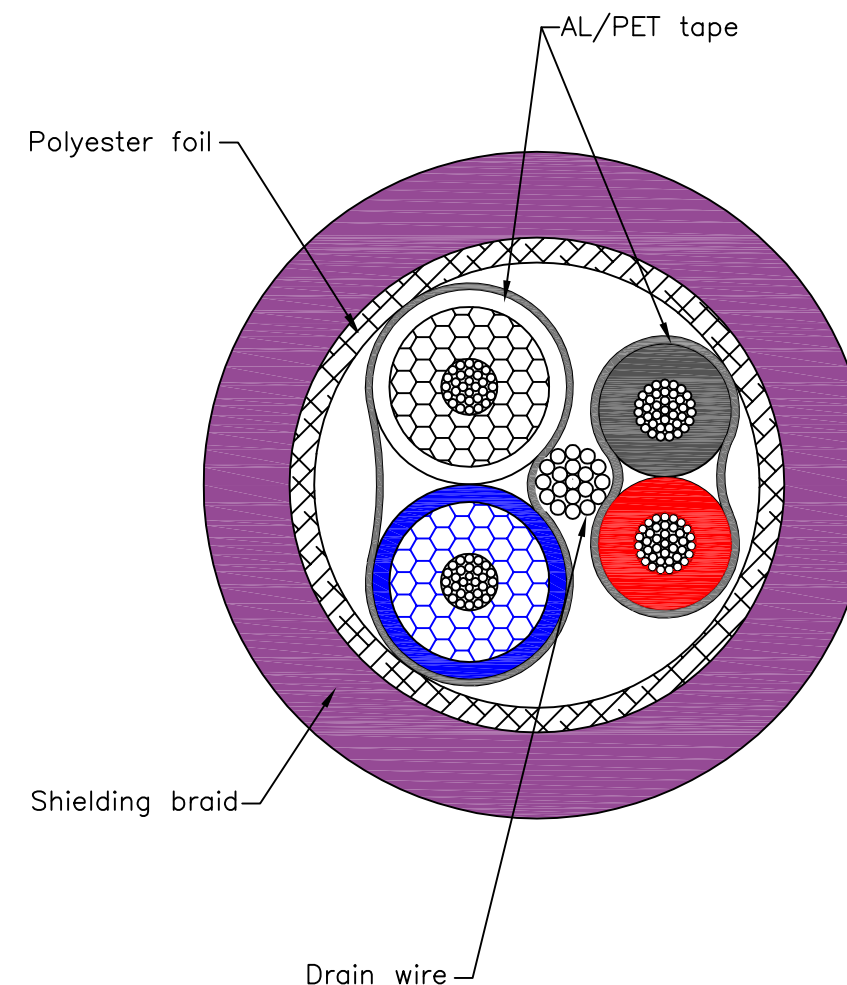
1.0m to 3.0m +100mm

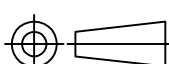
< 3.0m +1.5%

CABLE DATA SHEET

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
H	—		—	SEE SHEET 1	—	—	—

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 DIN VDE 0207–7	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 Dielectric strength	300v max operating voltage 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 Torsion range	12x outer diameter, max. 5 million cycles Not recommended for torsion	
Permission	UL (AWM style 20233), CSA	
Manufacturer & type	CEAM 0502688	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 22DEC2014 SATHISH KUMAR G CHK 22DEC2014 B.VELDHOVEN APVD 22DEC2014 A.VAN ZANDVOORT PRODUCT SPEC 108-19483 APPLICATION SPEC 114-32127		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		NAME M12 STRGT PLUG TO M12 STRGT SOCKET AA	
		MATERIAL -		FINISH -	
		WEIGHT -		SIZE A3	
		CUSTOMER DRAWING		CAGE CODE 00779	
		DRAWING NO C-2289297		RESTRICTED TO -	
		SCALE NTS		SHEET 2 OF 2	
		REV B1			

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<http://moschip.ru/get-element>

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