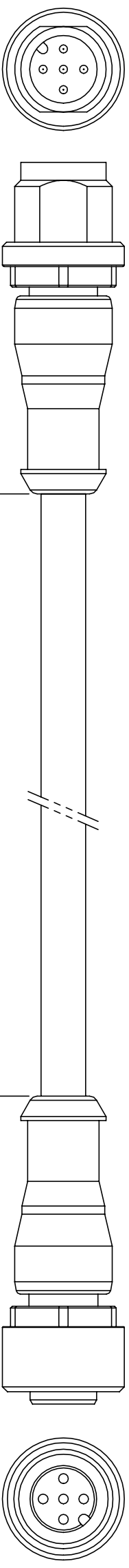


P	LTR	DESCRIPTION	DATE	DMN	APVD
C1		ADD NEW PN VARIANT 1-2289297-7	01APR2020	A.Z	C.W

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%



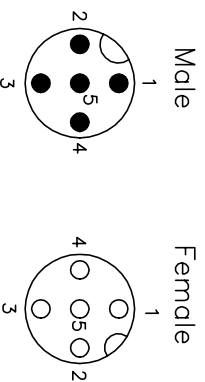
Mechanical data

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

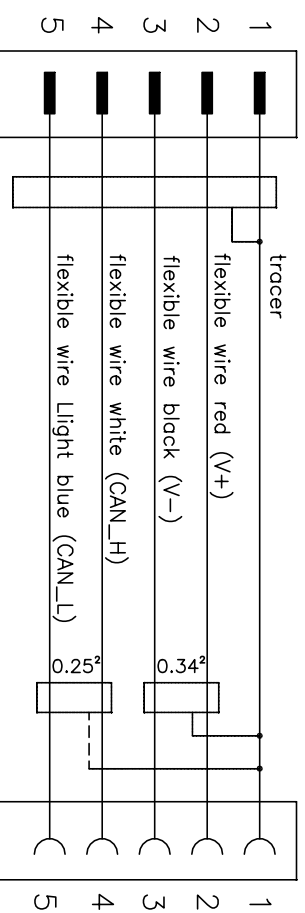
Electrical data

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

Contact Layout



Schematic diagram



LENGTH "L"	MATERIAL	JACKET COLOR	TE PN	DESCRIPTION	ITEM
18mtr	PUR	BLACK	1-2289297-7	5x22AWG PUR 18m	17
75mtr			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
15.2mtr			1-2289297-0	5x22AWG PUR 15.2m	10
13mtr			2289297-9	5x22AWG PUR 13m	9
12mtr			2289297-8	5x22AWG PUR 12m	8
10.2mtr	2289297-7	5x22AWG PUR 10.2m	7		
9mtr	2289297-6	5x22AWG PUR 9m	6		
7.7mtr	2289297-5	5x22AWG PUR 7.7m	5		
6.2mtr	2289297-4	5x22AWG PUR 6.2m	4		
4.7mtr	2289297-3	5x22AWG PUR 4.7m	3		
3.2mtr	2289297-2	5x22AWG PUR 3.2m	2		
1.5mtr	2289297-1	5x22AWG PUR 1.5m	1		

THIS DRAWING IS A CONTROLLED DOCUMENT.

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DIMENSIONS:	mm	0 PLC	±
		1 PLC	±
		2 PLC	±
		3 PLC	±
		4 PLC	±
		ANGLES	±
MATERIAL			±

DMN	22DEC2014	NAME	TE Connectivity Ltd.
CHK	SATHISH KUMAR G	SIZE	A3
APVD	B.VELDHOVEN	CAGE CODE	00779
PRODUCT SPEC	A.VAN ZANDVOORT	DRAWING NO	2289297
APPLICATION SPEC	108-19483	SCALE	NTS
WEIGHT	114-32127	SHEET	1 of 2
CUSTOMER DRAWING	0	RESTRICTED TO	C1

M12 STRGT PLUG TO M12 STRGT SOCKET AA



A

B

C

D

A

B

C

D

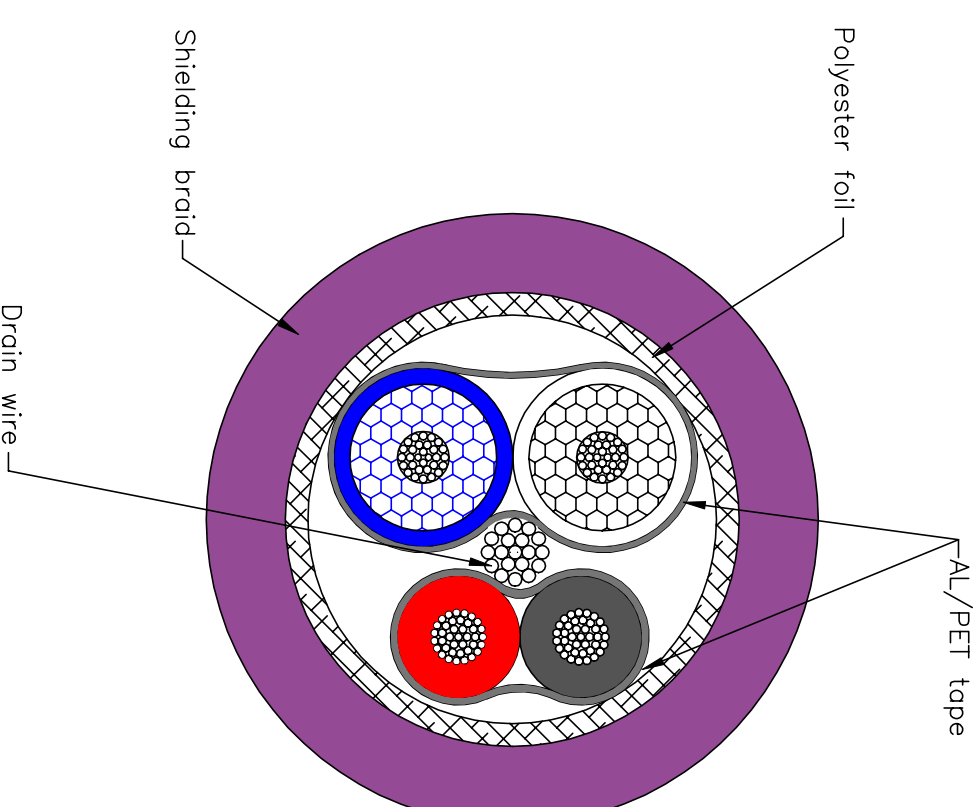
REVISIONS

P	LTR	DESCRIPTION	DATE	DMN	APVD
-		SEE SHEET 1	-	-	-

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

Cable diameter	2x0.25+ 2x0.34mm <sup>2</sup>	6.9mm±5%
Conductor colors	DATA PAIR: BLUE, WHITE 0.25mm <sup>2</sup> ; POWER PAIR: BLACK, RED 0.34mm <sup>2</sup>	
Conductor construction	0.25: tinned copper wire 22/19AWG, paired in AL/PET tape 0.34mm <sup>2</sup> : tinned copper wire 24/19AWG, paired in AL/PET tape	
Conductor isolation	0.25mm <sup>2</sup> : solid polyethylene outer dia 2.10mm ±5% 0.34mm <sup>2</sup> : 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	300v max operating voltage Nominal voltage Dielectric strength Temperature range	cond/cond, cond/shield: 1.5kVac/1min -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 20233), CSA	
Manufacturer & type	CEAM 0502688	



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
		0 PLC	±
		1 PLC	±
		2 PLC	±
		3 PLC	±
MATERIAL		4 PLC	±
		ANGLES	±
		FINISH	±

DMN	22DEC2014	DMN	22DEC2014
CHK	SATHISH KUMAR G	CHK	22DEC2014
APVD	B.VELDHOVEN	APVD	22DEC2014
PRODUCT SPEC	A.VAN ZANDVOORT	NAME	M12 STRGT PLUG TO M12 STRGT SOCKET AA
APPLICATION SPEC	108-19483	SIZE	A3
WEIGHT	114-32127	CAGE CODE	00779
CUSTOMER DRAWING		DRAWING NO	2289297
		SCALE	NTS
		SHEET	2 of 2
		REV	C1



TE Connectivity Ltd.

M12 STRGT PLUG TO M12 STRGT SOCKET AA