

PAS/PVS Cable Assembly

KEY FEATURES

- Overmolded M12 Female A coded cable (4 pins) - shielded 4 conductors
- Overmolded MIL-C-5015 10SL-4S cable (2 pins) - twisted pair shielded
- Shield connected to nut
- Maximum temperature of 90°C (Polyurethane cable) for the M12 connector
- Maximum temperature of 90°C (Polyurethane cable) or 200°C (Teflon FEP cable) for the MIL connector
- Configurable cable length
- Flying leads

Monitoring solution



Shaft & bearing vibration

Related applications



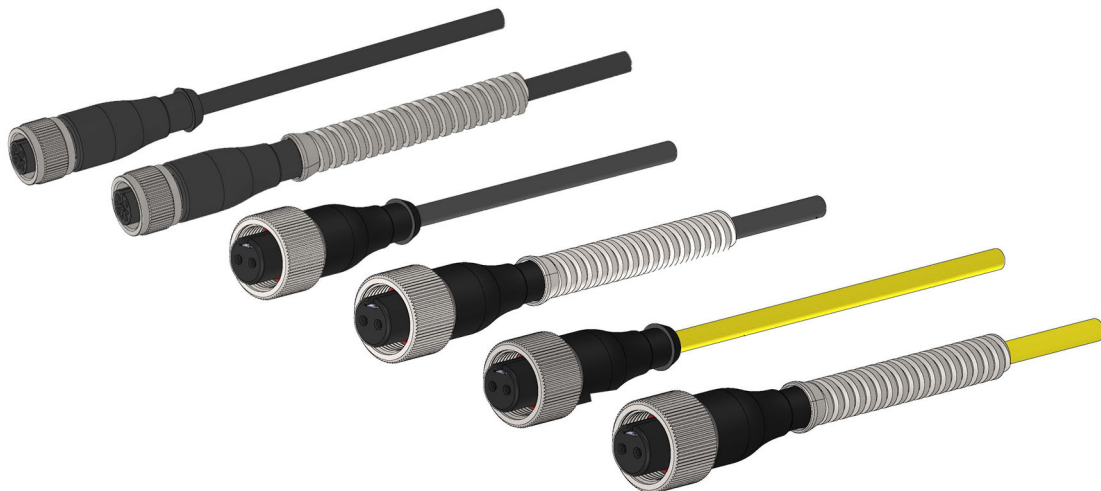
Hydrogenerators



Pumps, fan, cooling towers...



Gas & steam turbines



DESCRIPTION

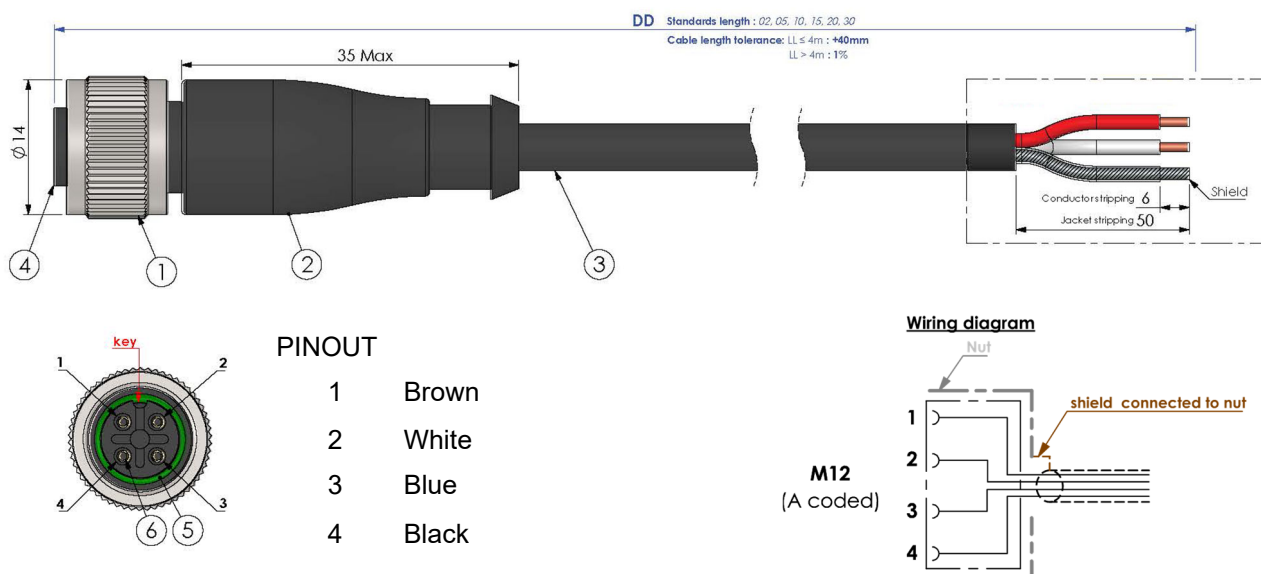
Introduction

Our cable assembly features two overmolded cable types, including an M12 Female A coded cable with four pins and a shielded four conductor cable, as well as a MIL-C-5015 10SL-4S cable with two pins and a twisted pair shielded cable. The shield is connected to the nut for added durability and reliability.

With a maximum temperature of 90°C for the polyurethane cable used in the M12 connector and a maximum temperature of 90°C for the polyurethane cable or 200°C for the Teflon FEP cable used in the MIL connector, our cable assembly is designed to withstand extreme temperatures.

Our PAS/PVS sensor cable assembly is also highly configurable, allowing for customizable cable lengths and flying leads for easy installation and integration.

01.300.100 - PAS/PVS Cable Assembly - M12 / 90°C



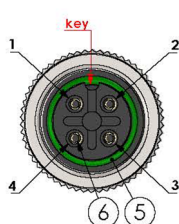
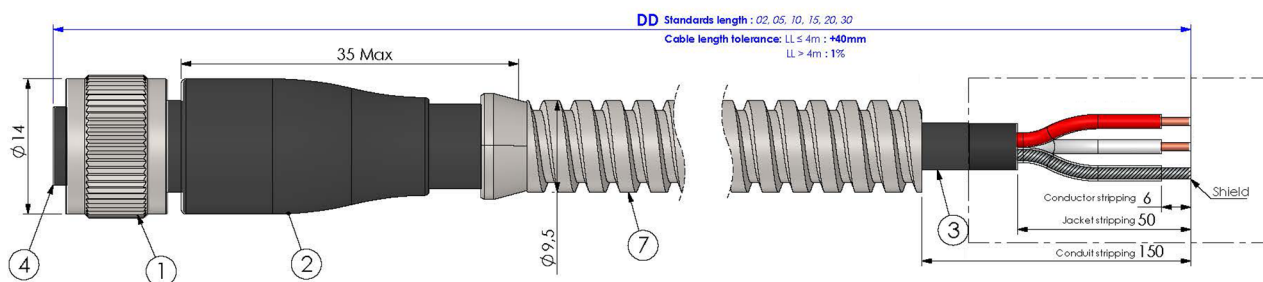
DESCRIPTION

Item N°	Description	Material	Temp (°C)
1	Nut, M12 X 1	Stainless steel AISI 316L, V4A	
2	IP67 Overmold	TPU, UL94 , black	max 90°C
3	Cable	Polyurethane cable - shielded 4 conductors - Ø5.4 (±0.2mm) - 4x 0.34mm ²	max 90°C
4	contact carrier 2-pin	PA66 30% Glass filled	120°C
5	O-ring	Neoprene (CR)	120°C
6	Signal contact	Cu-Zn, Gold Flash	

TECHNICAL SPECIFICATION

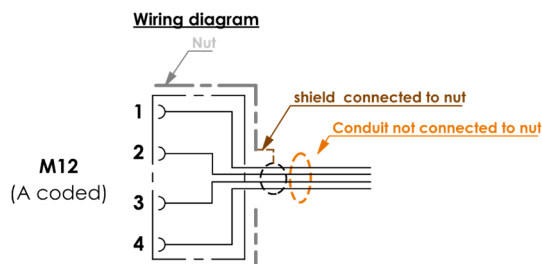
Connector	M12 Female A coded
IP rating	IP67
Temperature range	-30 to +90°C
Current rating	4 A at 40°C
Testing voltage	core/core : 2 kV AC core/braid : 1.5 kV AC
Mating cycle	≥ 500
Mounting torque	0.6 N.m
Weight	≈ 35 kg/km
Halogen free according to DIN VDE 0472 Part 815	
Flame-retardant according to cULus 20549	

01.300.101 - PAS/PVS Cable Assembly - M12 / 90°C / armored



PINOUT

1	Brown
2	White
3	Blue
4	Black



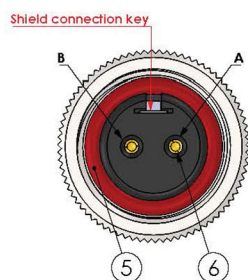
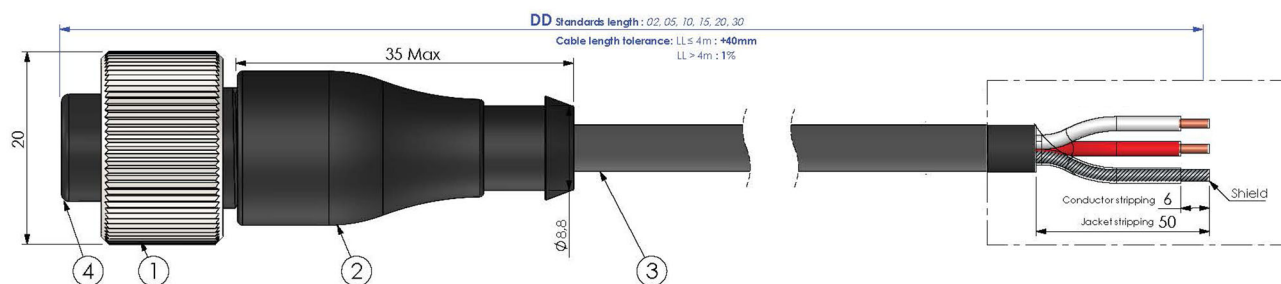
DESCRIPTION

Item N°	Description	Material	Temp (°C)
1	Nut, M12 X 1	Stainless steel AISI 316L, V4A	
2	IP67 Overmold	TPU, UL94 , black	max 90°C
3	Cable	Polyurethane cable - shielded 4 conductors - Ø5.4 (±0.2mm) - 4x 0.34mm ²	max 90°C
4	contact carrier 2-pin	PA66 30% Glass filled	120°C
5	O-ring	Neoprene (CR)	120°C
6	Signal contact	Cu-Zn, Gold Flash	
7	Conduit	Stainless Steel AISI 304	

TECHNICAL SPECIFICATION

Connector	M12 Female A coded
IP rating	IP67
Temperature range	-30 to +90°C
Current rating	4 A at 40°C
Testing voltage	core/core : 2 kV AC core/braid : 1.5 kV AC
Mating cycle	≥ 500
Mounting torque	0.6 N.m
Weight	≈ 60 kg/km
Halogen free according to DIN VDE 0472 Part 815	
Flame-retardant according to cULus 20549	

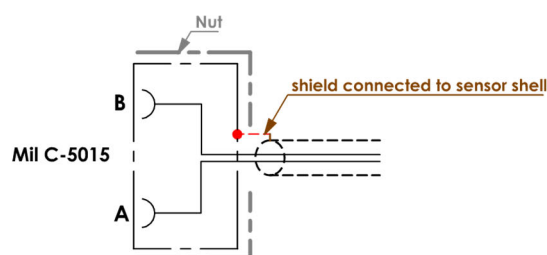
01.300.200 - PAS/PVS Cable Assembly - MIL / 90°C



PINOUT

- A Red (+)
B White (-)

Wiring diagram



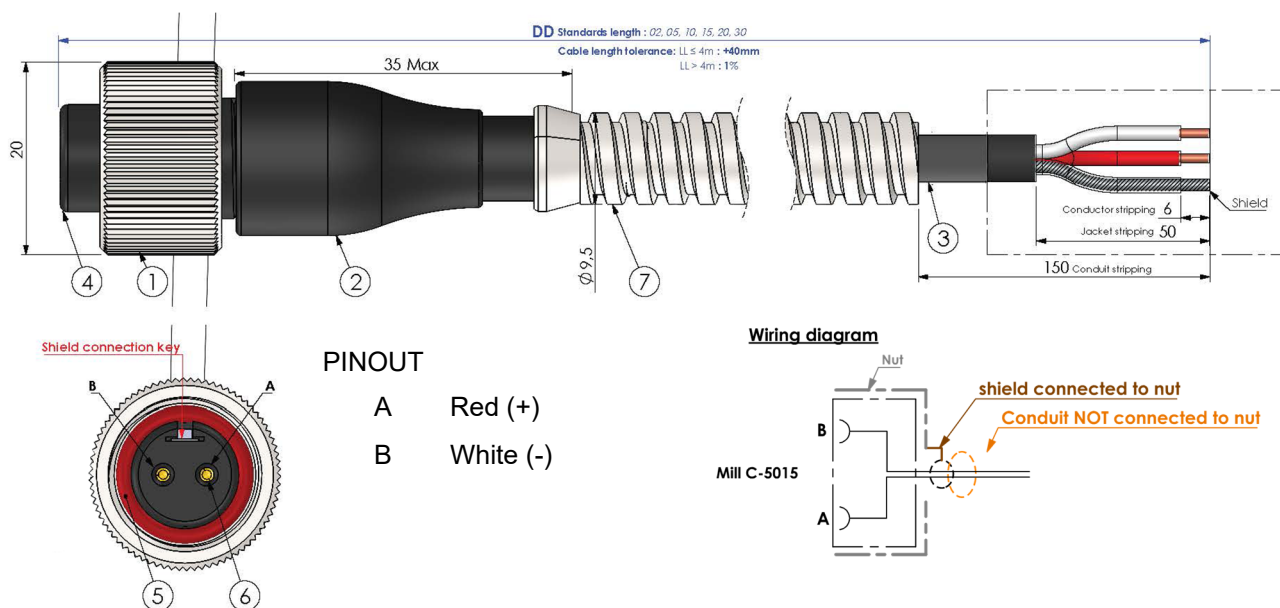
DESCRIPTION

Item N°	Description	Material	Temp (°C)
1	Nut	Stainless steel AISI 316L, V4A	
2	IP67 Overmold	TPU, UL94 , black	max 90°C
3	Cable	Polyurethane cable - Twisted pair shielded - Ø4.8 (±0.2mm) - 2x 0.5mm ²	max 90°C
4	contact carrier 2-pin	PA66 30% Glass filled	120°C
5	O-ring	Neoprene (CR)	120°C
6	Signal contact	Cu-Zn, Gold Flash	

TECHNICAL SPECIFICATION

Connector	MIL C 5015 10SL-4S
IP rating	IP67
Temperature range	-30 to +90°C
Current rating	4 A at 40°C
Testing voltage	core/core : 2 kV AC core/braid : 1.5 kV AC
Mating cycle	≥ 500
Mounting torque	0.6 N.m
Weight	≈ 40 kg/km
Halogen-free	
Flame resistant in accordance to DIN EN 60332-2-2 (20s)	
Oil resistant in accordance to DIN EN 60811-404 (168 h 100°C)	

01.300.201 - PAS/PVS Cable Assembly - MIL / 90°C / armored



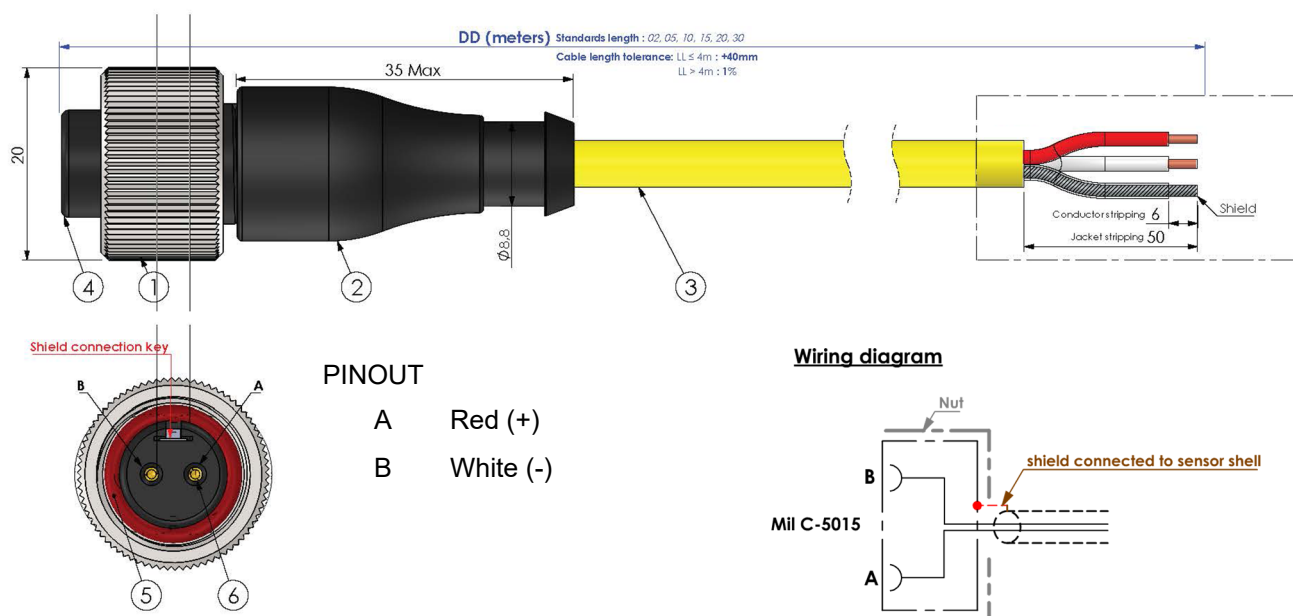
DESCRIPTION

Item N°	Description	Material	Temp (°C)
1	Nut	Stainless steel AISI 316L, V4A	
2	IP67 Overmold	TPU, UL94 , black	max 90°C
3	Cable	Polyurethane cable - Twisted pair shielded - Ø4.8 (±0.2mm) - 2x 0.5mm ²	max 90°C
4	contact carrier 2-pin	PA66 30% Glass filled	120°C
5	O-ring	Neoprene (CR)	120°C
6	Signal contact	Cu-Zn, Gold Flash	
7	Conduit	Stainless steel AISI 304	

TECHNICAL SPECIFICATION

Connector	MIL C 5015 10SL-4S
IP rating	IP67
Temperature range	-30 to +90°C
Current rating	4 A at 40°C
Testing voltage	core/core : 2 kV AC core/braid : 1.5 kV AC
Mating cycle	≥ 500
Mounting torque	0.6 N.m
Weight	≈ 60 kg/km
Halogen-free	
Flame resistant in accordance to DIN EN 60332-2-2 (20s)	
Oil resistant in accordance to DIN EN 60811-404 (168 h 100°C)	

01.300.210 - PAS/PVS Cable Assembly - MIL / 120°C



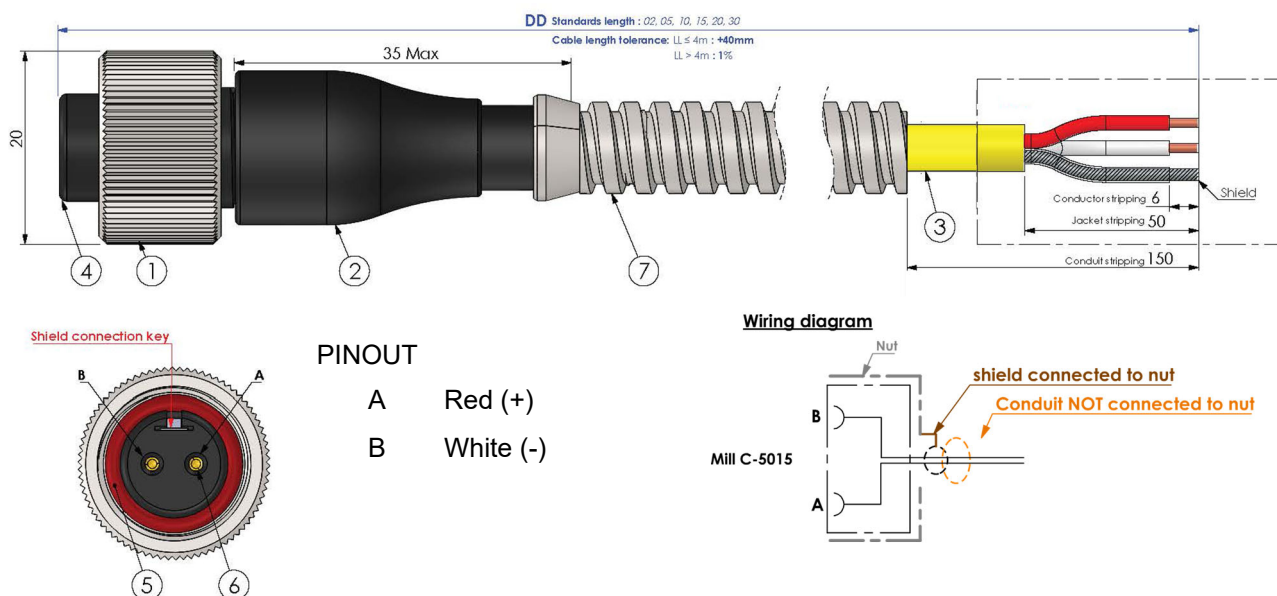
DESCRIPTION

Item N°	Description	Material	Temp (°C)
1	Nut	Stainless steel AISI 316L, V4A	
2	IP67 Overmold	PP, UL94 , black	max 120°C
3	Cable	Teflon FEP cable - Twisted pair shielded - Ø4.7 (±0.2mm) - 2x 0.5mm ²	max 200°C
4	contact carrier 2-pin	PA66 30% Glass filled	120°C
5	O-ring	Neoprene (CR)	120°C
6	Signal contact	Cu-Zn, Gold Flash	

TECHNICAL SPECIFICATION

Connector	MIL C 5015 10SL-4S
IP rating	IP67
Temperature range	-30 to +120°C
Current rating	4 A at 40°C
Testing voltage	core/core : 2 kV AC core/braid : 1.5 kV AC
Mating cycle	≥ 500
Mounting torque	0.6 N.m
Weight	≈ 40 kg/km
Flame retardant according DIN EN 60332-1-2; 2017-06	
Halogen : Yes (Fluor Teflon FEP)	

01.300.211 - PAS/PVS Cable Assembly - MIL / 120°C / armored



DESCRIPTION

Item N°	Description	Material	Temp (°C)
1	Nut	Stainless steel AISI 316L, V4A	
2	IP67 Overmold	PP, UL94 , black	max 120°C
3	Cable	Teflon FEP cable - Twisted pair shielded - Ø4.7 (±0.2mm) - 2x 0.5mm ²	max 200°C
4	contact carrier 2-pin	PA66 30% Glass filled	120°C
5	O-ring	Neoprene (CR)	120°C
6	Signal contact	Cu-Zn, Gold Flash	
7	Conduit	Stainless steel AISI 304	

TECHNICAL SPECIFICATION

Connector	MIL C 5015 10SL-4S
IP rating	IP67
Temperature range	-30 to +120°C
Current rating	4 A at 40°C
Testing voltage	core/core : 2 kV AC core/braid : 1.5 kV AC
Mating cycle	≥ 500
Mounting torque	0.6 N.m
Weight	≈ 60 kg/km
Flame retardant according DIN EN 60332-1-2; 2017-06	
Halogen : Yes (Fluor Teflon FEP)	

ORDERING INFORMATION

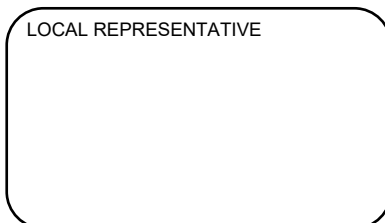
Part type	Ordering code	Description
PAS/PVS	01.300.100 DD	PAS/PVS Cable Assembly - M12 / 90°C
PAS/PVS	01.300.101 DD	PAS/PVS Cable Assembly - M12 / 90°C / armored
PAS/PVS	01.300.200 DD	PAS/PVS Cable Assembly - MIL / 90°C
PAS/PVS	01.300.201 DD	PAS/PVS Cable Assembly - MIL / 90°C / armored
PAS/PVS	01.300.210 DD	PAS/PVS Cable Assembly - MIL / 120°C
PAS/PVS	01.300.211 DD	PAS/PVS Cable Assembly - MIL / 120°C / armored

DD : Cable length

MC-monitoring Quality certifications



LOCAL REPRESENTATIVE



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