



FAS Cable Assembly

02.902.XXX, 02.914.XXX, 02.913.XXX

The FAS Cable Assembly is a high-quality extension cable solution designed to ensure reliable signal transmission between Fiberoptic Acceleration Sensors and data acquisition systems in demanding industrial environments.

KEY FEATURES

- Extension cables designed and approved for Fiberoptic Acceleration Sensor (FAS)
- Various cable lengths are available for better fit the installation requirements
- Reliable signal transmission for accurate data acquisition
- High-quality construction for optimal performance
- Custom cable length available on request
- Flying leads

MONITORING SOLUTIONS



Endwinding

TYPICAL APPLICATIONS



Hydrogenerators



Gearless millsdrives



Turbogenerators



DESCRIPTION

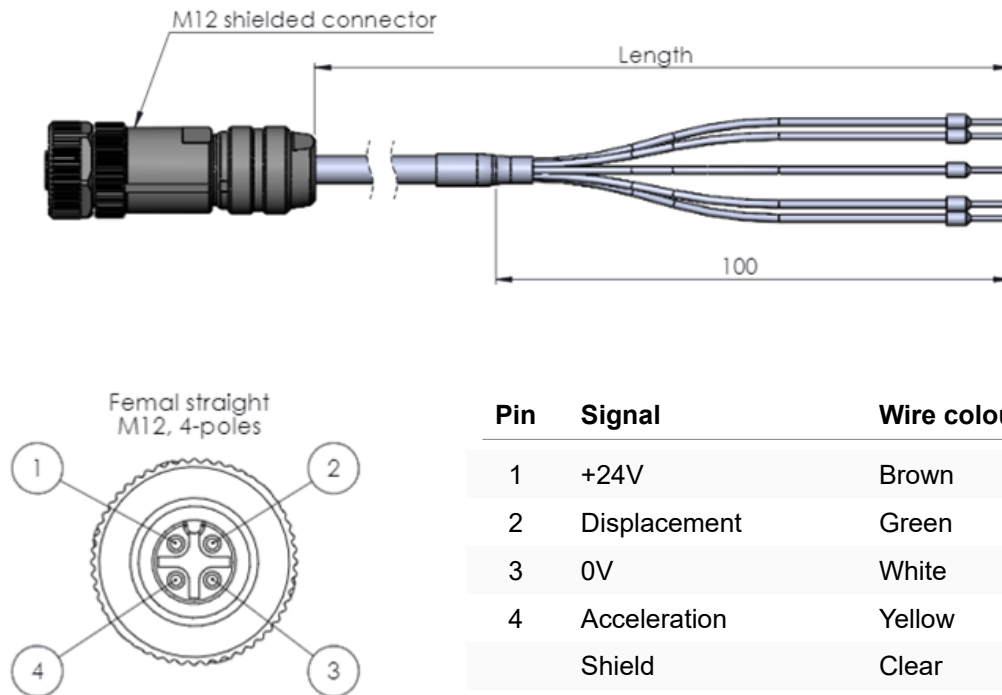
FAS Extension Cables provide seamless connectivity between the Fiberoptic Acceleration Sensor (FAS) and the data acquisition system. These high-quality cables enable flexible sensor placement in various industrial applications.

The FAS Extension Cable 02.902.XXX, available in a configurable length without armor 4x0.34mm², is recommended for use with our FAS-1xx M2 and FAS FAS-200 products. It allows you to extend the reach of your Fiberoptic Acceleration Sensor, ensuring accurate data acquisition with minimal signal loss.

For hazardous environments, we offer two ATEX-certified options. The 02.914.XXX Extension Cable, available in a configurable length without armor 4x0.34mm², is specifically designed for use with our FAS-1xx M5 product. It provides a safe and reliable connection in hazardous areas. The 02.913.XXX Armored Extension Cable, also available in a configurable length, offers enhanced mechanical protection in rugged industrial environments.

02.902.XXX - FAS EXTENSION CABLE M2 - 4X0.34MM² - WITHOUT ARMOR

Note: Recommended for use with our FAS-1xx M2 and FAS FAS-200 products.



Pin	Signal	Wire colour
1	+24V	Brown
2	Displacement	Green
3	0V	White
4	Acceleration	Yellow
	Shield	Clear

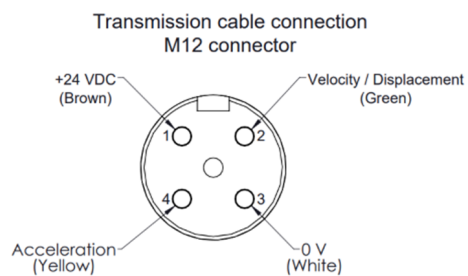
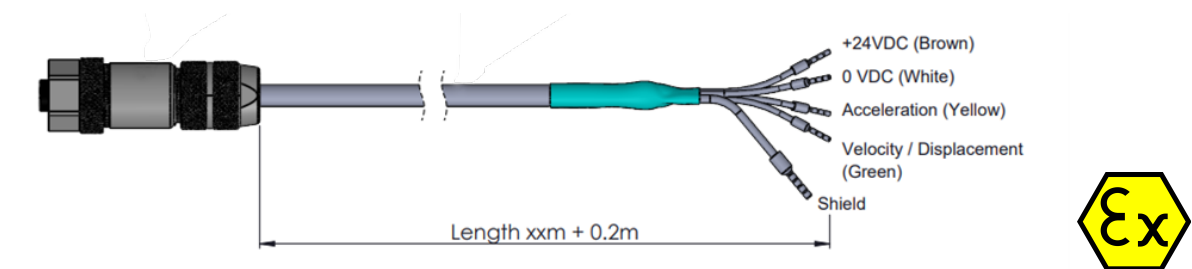
ORDERING INFORMATION

Ordering code	Description
02.902.005	Ext. cable, WA, 4x0.34mm ² for FAS /1 & M2 - 5m
02.902.010	Ext. cable, WA, 4x0.34mm ² for FAS /1 & M2 - 10m
02.902.015	Ext. cable, WA, 4x0.34mm ² for FAS /1 & M2 - 15m
02.902.020	Ext. cable, WA, 4x0.34mm ² for FAS /1 & M2 - 20m
02.902.050	Ext. cable, WA, 4x0.34mm ² for FAS /1 & M2 - 50m
02.902.100	Ext. cable, WA, 4x0.34mm ² for FAS /1 & M2 - 100m

Note: Other lengths available on request.

02.914.XXX - FAS EXTENSION CABLE M5 - 4X0.34MM2 - WITHOUT ARMOR - [ATEX]

Note: Recommended for use with our FAS-1xx M5 products.



Pin	Signal	Wire colour
1	+24V	Brown
2	Velocity/Displacement	Green
3	0V	White
4	Acceleration	Yellow
	Shield	Clear

CABLE SPECIFICATION

Section	4x0.34mm ²
Conductor identification	DIN47100
Connector	M12 x 1
Operating temperature	-25... + 80°C
Nominal voltage	300V
Test voltage	2000V
M12 connector protection mode	II 2D Ex tb IIIC T85°C Db

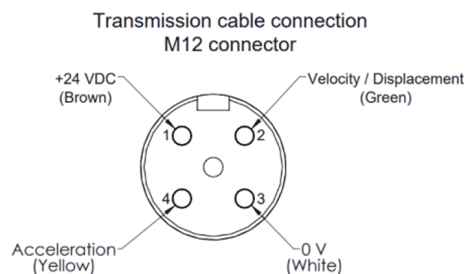
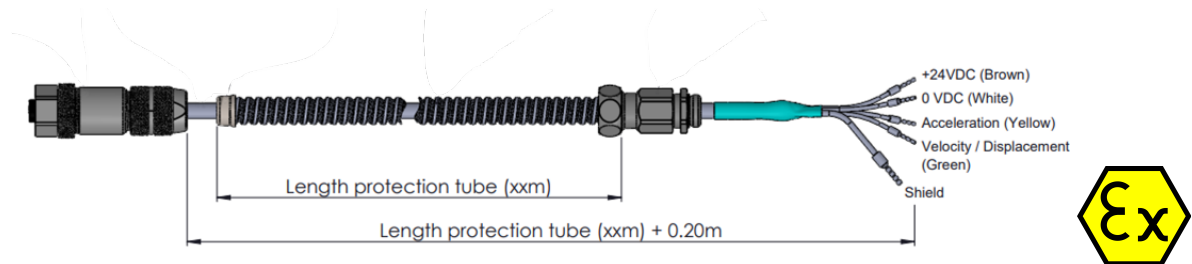
ORDERING INFORMATION

Ordering code	Description
02.914.002	Ext. cable, WA, 4x0.34mm ² for FAS M5 - 2m - ATEX
02.914.005	Ext. cable, WA, 4x0.34mm ² for FAS M5 - 5m - ATEX
02.914.010	Ext. cable, WA, 4x0.34mm ² for FAS M5 - 10m - ATEX
02.914.015	Ext. cable, WA, 4x0.34mm ² for FAS M5 - 15m - ATEX
02.914.020	Ext. cable, WA, 4x0.34mm ² for FAS M5 - 20m - ATEX

Note: Other lengths available on request.

02.913.XXX - FAS EXTENSION CABLE M5 - 4X0.34MM2 - ARMORED - [ATEX]

Note: Recommended for use with our FAS-1xx M5 products.



Pin	Signal	Wire colour
1	+24V	Brown
2	Velocity/Displacement	Green
3	0V	White
4	Acceleration	Yellow
	Shield	Clear

CABLE SPECIFICATION

Section	4x0.34mm ²
Conductor identification	DIN47100
Connector	M12 x 1
Operating temperature	-25... + 80°C
Nominal voltage	300V
Test voltage	2000V
M12 connector protection mode	II 2D Ex tb IIIC T85°C Db

ORDERING INFORMATION

Ordering code	Description
02.913.010	Ext. cable, A, 4x0.34mm ² for FAS M5 - 10m - ATEX
02.913.020	Ext. cable, A, 4x0.34mm ² for FAS M5 - 20m - ATEX

Note: Other lengths available on request.

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Quality certification



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