

# Technical Specification

## Protected Cable for Flame Scanners - ITS 184X0251M911

Valid from 2015.08.28



This set consists of the cable, a metal hose covering the cable from the Flame Scanner to the junction box, a fitting set and a 90° connector made of stainless steel.

The hose structure links to the Flame Scanner with the 90° connector. These parts by ITS are made out of stainless steel, instantly increasing the sustainability of the cable. The plug is in accordance with MIL specification and the protective tube meets international industrial standards.

The most important technical information is laser engraved on the rear of the connector.

**ITS 184X0251M911 Protected Cable with 90° Connector Stainless Steel**

<b>Parameters Cable</b>	<b>Details</b>
Manufacturer	ITS Industrial Turbine Services, Austria
Wire	18 gauge (1.13 mm), 19 x 0.226 nickel plated cooper conductor
Insulation	Teflon PTFE
Shield	Braid of nickel plated cooper, opt cov >85%
Color Code	Black - negative White - positive Green/yellow - ground
Cable Length	9.1m (30ft)
Voltage (max)	600vrms
Connector	MIL-DTL-38999 series III, 38999/27Y-15, 05PN 1041 B (Only 3 pins are used)
Cover	Stainless steel, M16 x 1.5/2, laser engraved
Backshell	90°
Temperature Range	-30°C (-20°F) to 260°C (500°F)
Weight	1.3kg (2.87lb)
Packaging	Loose, rolled and tied with cable ties

<b>Parameters Fitting</b>	<b>Details</b>
Material	UI511-G: nickel-plated brass UI511-EG: AISI 303, DW no. 1.4305 O-ring: NBR
Thread	M 16 x 1.5/2, 3/8"
Min. internal Ø	9.8mm (0.386in)
Temperature Range	-45°C (-49°F) to 105°C (221°F)
Weight	0.074kg (0.16lb)
Packaging	Per set in one bag

**ITS 184X0251M911 - Protected cable with 90° connector stainless steel**

Parameters Hose	Details
Manufacturer	ITS Industrial Turbine Services, Austria
Hose	Spirally-wound stainless steel protective conduit with interlocked profile (AGRAFF), 3/8"
Material	Stainless steel AISI 304, DW no. 1.4301
Protection rating	IP40
Static/dynamic bending radius	65/80mm (2.559/3.150in)
Outer Ø	16.5mm (0.650in)
Min. internal Ø	13mm (0.512in)
Temperature Range	-100°C (-148°F) to 600°C (1112°F)
Weight	0.27kg/m
Packaging	Loose, rolled and tied with cable ties

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