

Technical Specification Sheet

Cable for Flame Scanners (Harsh Vibration) - ITS 184X0251M431

Valid from 2018.04.20



The Flame Scanner Cable, which is used between the Flame Scanner and junction box with a 90° connector made of stainless steel, is a replacement for the OEM's existing version with the rubber covered connector. The used type of connector has been specially developed for high vibration loads.

The used connector ensures optimal linkage between the flame scanner and the protection hose. On the backside of the plug you will find the necessary data and safety instructions imprinted with laser engraving.

ITS 184X0251M431 Cable for Flame Scanner ITS 184X0254M029

Parameters Cable	Details
Manufacturer	ITS Industrial Turbine Services, Austria
Country of Origin	Germany, Europe
Country of Manufacture	Germany, Europe
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	For service 12-35VDC, max. 600vrms
Connector Electrical	MIL-DTL 38999 Series III, 038999/27Y-15-05PN 1041 B (Only 3 pins are used)
Cover	Stainless steel, M16 x 1.5/2, laser engraved
Backshell	90° Stainless steel (series -8DV harsh vibration)
Temperature Range	-30°C (-22°F) to 260°C (500°F)
Shock Vibration	Shock: 300g, 3ms according EN2591-402 method A and EIA-364-27 Sinusodial: 10 a 2000 Hz, 3x12 Hrs (60g, 140 - 2000 Hz) with T° cycling Random1: 50 to 2000 Hz, 2x8 Hrs (1g2/ Hz, 100 - 2000 Hz) at T° max Random2: 25 to 2000 Hz, 2x8 Hrs (5g2/ Hz, 100 - 300 Hz) at ambient T° Test with accessories in accordance with EN2591-403 and EIA-364-28
Wight	0.9kg (1.98lb)
Packaging	Loose, rolled and tied with cable ties

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Further information on www.flamescanner.net

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