

2x18 AWG 300 V Overall Shielded HFFR Instrumentation Cable

Part Number: **8S81601xxx**

Applications: Process control industry, Hazardous areas, Harsh environments, Indoor, Class 1 Division 2

General Construction: Low Smoke, HFFR instrumentation and control cable, designed for process control industry.

Outer Jacket Material: HFFR

Outer Diameter: 5.9 mm nom.

Weight: 55 kg/km



Design & Materials

Conductor Material:	Bare Copper
Conductor Size:	18 AWG
Conductor Construction:	7x0.40 mm
Insulation Material:	HFFR
Insulation Thickness:	0.43 mm
Insulation O.D.:	2.0 mm nom.
Pair Identification:	Colors
Conductor Color Code:	Black, White
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Drain-wire Material:	Tinned Copper
Overall Drain-wire size:	18 AWG
Overall Drain-wire Construction:	Stranded
Total number of wires:	2
Outer Jacket Thickness:	0.9 mm nom.
Outer Jacket Color:	See TELDOR Jacket Code
Marking:	Per request

Standards

Flamability Rating:	IEC 60332-3 , IEEE 383
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Performance

Max. DC Resistance :	22.0 /km@20°C
Dielectric Strength:	2000 V/minute
Voltage Rating:	300 V
Min. Bend Radius:	35 mm
Max. Operating Temperature:	+80 °C
Min. Operating Temperature:	-30 °C

Prepared By	Revised By	Version Num	Modified on
Dov Shaham	Dov Shaham	1.9	22-06-2008

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