

2x2x18AWG Overall Shielded HFFR Instrumentation Cable

Part Number: **8S83602XXX**

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

General Construction: 2 pairs are individual polyester/aluminum tape shielded, cabled together with a communication wire, overall polyester/aluminum tape shielded and jacketed.

Outer Jacket Material: HFFR

Outer Diameter: 10.7 mm nom.

Weight: 125 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.
Conductor unit identification:	Numbered
Conductor Color Code:	Black x White
Lay Length:	50 mm
Ind. Shield Material:	Aluminum/Polyester Foil
Ind. Shield Design:	100% Coverage
Ind. Shield Thickness:	24 µ
Drain-wire 1 Construction:	Stranded
Drain-wire 1 size:	22 AWG
Drain-wire 2 Material:	Tinned Copper
Drain-wire 2 Construction:	Stranded
Comm. Wire:	22 AWG - Orange
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Thickness:	24 µm
Overall Drain-wire Material:	Tinned Copper
Overall Drain-wire size:	20 AWG
Overall Drain-wire Construction:	Stranded
Total number of conductors:	4
Total number of conductor units:	2
Outer Jacket Thickness:	1.3 mm nom.
Outer Jacket Color:	Black
Marking:	Per request

Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Standards

Applicable Standards:	UL-PLTC, RoHS 2002/95/EC
Flamability Rating:	IEC 60332-3 , IEEE 383

Performance

Max. DC Resistance :	22.0 /km@20°C
Capacitance:	180 pF/m
Inductance:	0.3 µH/m
Min. Insulation Resistance :	200 M •km
Min. Bend Radius:	65 mm
Max. Operating Temperature:	+ 90 °C
Min. Operating Temperature:	-30 °C
UV resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Dov Shaham	Micha Tauber	1.9	10-12-2009

Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.