

Instrumentation 300V 1x3x18 AWG Overall Shielded PVC Cable BC/CL2/PVC/OFS/PVC/300V/90C

Part Number: 8621811101

Applications: Class 1 Division 2, Hazardous areas, Process control industry, Indoor & Outdoor Use, Fixed or Portable Installation

General Construction: One twisted triad, overall aluminum-foil shielded and jacketed. Cable with Blue jacket are suitable for intrinsically safe installations.

Outer Jacket Material: UV resistant FR-PVC

Outer Diameter: 6.1 mm nom.

Weight: 62 kg/km



Design & Materials

Conductor Material:	Annealed Bare Copper
Conductor Size:	18 AWG
Conductor Size:	7x0.404 mm
Conductor Construction:	Stranded
Insulation Material:	FR-PVC -55°C to 105°C rating
Insulation Thickness:	0.4 mm
Insulation O.D.:	2.0 mm nom.
Conductor Color Code:	Black x White x Red
Lay Length:	50 mm
Drain-wire 1 Material:	Annealed Tinned Copper
Drain-wire 1 Construction:	Stranded
Drain-wire 1 size mm.:	7x0.32 mm
Drain-wire 1 size:	20 AWG
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Thickness:	23 µm
Total number of conductors:	3
Total number of conductor units:	1
Rip-Cord:	Yes
Outer Jacket Thickness:	0.9 mm nom.
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	UL PLTC, RoHS 3 2015/863/EU
Flammability Rating:	IEC 60332-1, UL 1581 VW-1

Performance

Max. DC Resistance :	22.0 Ω /km@20°C
Capacitance Pair to Shield:	170 pF/m
Dielectric Strength:	2000 V/minute
Dielectric Strength to Shield:	1000 V/minute
Voltage Rating:	300 V
Min. Bend Radius:	Dx6 mm
Max. Operating Temperature:	+90 °C
Min. Operating Temperature:	-30 °C
UV Resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Dov Shaham	Dov Shaham	2.13	31-01-2021

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Teldor Cables & Systems Ltd. - Ein-Dor, 1933500

ISRAEL

Tel: +972 4 6770555

Fax: +972 4 6770650