

1x2x2.5 mm² XLPE BC 0.6/1KV OFS SWA LSPVC Fire Resistant Cable

POWER & CONTROL

P/N 8I5HG01107

INDUSTRY

Applications

Power and control, Low voltage power, 90°C applications, Audio frequency signals, Loudspeakers

Outer Jacket Material	Outer diameter	Weight
LS-PVC	15.5 mm nom.	430 kg/km

General Construction

One foil shielded twisted pair is inner covered, steel wire armored and outer jacketed. This is a low smoke fire resistant cable designed to maintain circuit integrity during fire.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Cross Section (mm ²)	2.5
Conductor Construction	7x0.68 mm
Insulation Material	XLPE + Fire Resistant Tape
Insulation Thickness (mm)	0.75
Insulation O.D. (mm nom)	4.3
Conductor Color Code	Black x Red
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	20
Overall Drain-wire Construction	Stranded
Inner Jacket Material	LS-PVC
Inner Jacket Thickness (mm nom)	1.0
Inner Jacket Diameter (mm nom)	10.5
Armoring	Served Galvanized Steel Wire
Total Number Of Conductors	2
Outer Jacket Thickness (mm nom)	1.4
Outer Jacket Color	Orange
Marking	Teldor Standard

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Performance

Max. DC Resistance (Ω /km@20°C)	7.41
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	600/1000
Min. Bend Radius (mm)	Dx11
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+90
UV Resistance	Yes
Fire Resistance	Yes
Rodent Resistance	Yes

Installation

Guidelines as per IEC TR 62263

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Standards

Flammability Rating
IEC 60331-11
IEC 60331-21
IEC 60332-1
UL 1581 VW-1

Applicable Standards
IEC 60228
RoHS 3 2015/863/EU

