

## 4x2x24 AWG F/UTP Cat. 5e + 17 AWG CCS Fig-8 Double Jacket Outdoor

Part Number: **4T00080101**

---

<b>Applications:</b>	Outdoor installations, Fixed or portable installations, Digital distribution frames in transmission stations, Outdoor installations in harsh environments
<b>General Construction:</b>	Custom made cable designed specially for wireless systems, meeting the requirements of Cat. 5e per ANSI/TIA/EIA-568-B.2 and IEC 61156-5. The cable contains internal cable consist of 4 twisted pairs, F/UTP structure jacketed with PVC compound and 17 AWG CCS strand, all jacketed with special black UV resistant, flame retardant PVC compound in FIG-8 form for direct outdoor use in harsh electrical environments. The diameter of the inner core complies with RJ45 connecting hardware allowing direct connection to equipment without patch cords.
<b>Conductor Size:</b>	0.52 mm
<b>Outer Jacket Material:</b>	UV resistant FR-PVC
<b>Outer Diameter:</b>	7.9 mm nom.
<b>Weight:</b>	92 kg/km



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.

## Design & Materials

Conductor Material:	Bare Copper
Conductor Size:	24 AWG
Insulation Material:	Solid PO
Insulation O.D.:	1.07 mm nom.
Color code:	Per TIA/EIA 568-B
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Shield:	Yes
Overall Drain-wire Material:	Tinned Copper
Overall Drain-wire size:	24 AWG
Overall Drain-wire Construction:	Stranded
Inner Jacket Material:	UV resistant FR-PVC
Inner Jacket Diameter:	6.1 mm
Inner Jacket Color:	Black
2nd Inner Jacket Color:	Black
3rd Inner Jacket Color:	Black
Total number of wires:	8
Outer Jacket Dimension - X:	12.5 mm
Outer Jacket Dimension - Y:	7.9 mm
Outer Jacket Color:	Black
Marking:	Teldor Standard, Per request

## Standards

Flamability Rating:	IEC 60332, UL 1581 VW-1
Standards:	IEC 61156, TIA/EIA-568

## Performance

Frequency Range:	1 - 100 MHz
Impedance:	100
Coupling Attenuation:	Type II
DC Resistance:	93 /km nom.
Max. DC Resistance :	95 /km@20°C
Max. Resistance Unbalance:	2 %
Capacitance Unbalance:	1.6 pF/m max.
Velocity of Propagation:	68 % nom.
Propagation Delay Skew:	35 ns/100m max.
Dielectric Strength:	700 V/minute
Dielectric Strength to Shield:	700 V/minute
Min. Insulation Resistance :	5 G •km
Max. Tensile Strength - Short Term:	250 N
Min. Bend Radius:	90 mm
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C

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.

Prepared By	Revised By	Version Num	Modified on
Jacob Ben Ary	Jacob Ben Ary	1.14	12-08-2008

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.