

The BASIC Solution

Category 5 & 5e, 100 Ohm, 100 MHz Data Transmission Cables



www.teldor.com

Basic Solution Horizontal CAT 5e Cables

Teldor P/N	Construction	Overall Shield Type	Flame Test	Jacket Material	Cable Diameter [mm]	Cable Weight [kg/km]	NVP (%)
7562004xxx	4 Pairs 24 AWG UTP	None	IEC-60331.1 VW-1	PVC	5.0	30	66
7568204xxx	8 Pairs 24 AWG,UTP Fig-8 (Siamese)	None	IEC-60331.1 VW-1	PVC	5.1x10.2	63	66
7572004xxx	4 Pairs 24 AWG UTP	None	IEC-60331.1 VW-1	FR-LSZH (HFFR)	5.0	28	66
7578204xxx	8 Pairs 24 AWG,UTP Fig-8 (Siamese)	None	IEC-60331.1 VW-1	FR-LSZH (HFFR)	5.1x10.2	62	66
8371204xxx	4 Pairs 24 AWG FTP	Aluminum foil	IEC-60331.1 VW-1	PVC	6.1	41	65
8371804xxx	8 Pairs 24 AWG,FTP Fig-8 (Siamese)	Aluminum foil	IEC-60331.1 VW-1	PVC	6.1x12.2	80	65
8375204xxx	4 Pairs 24 AWG FTP	Aluminum foil	IEC-60331.1 VW-1	FR-LSZH (HFFR)	6.1	40	65
8375804xxx	8 Pairs 24 AWG,FTP Fig-8 (Siamese)	Aluminum foil	IEC-60331.1 VW-1	FR-LSZH (HFFR)	6.1x12.2	80	65
9371204xxx	4 Pairs 24 AWG SFTP	Aluminum foil & Braid	IEC-60331.1 VW-1	PVC	6.3	52	65
9371804xxx	8 Pairs 24 AWG,SFTP Fig-8 (Siamese)	Aluminum foil & Braid	IEC-60331.1 VW-1	PVC	6.5x13.0	100	65
9375204xxx	4 Pairs 24 AWG SFTP	Aluminum foil & Braid	IEC-60331.1 VW-1	FR-LSZH (HFFR)	6.3	51	65
9375804xxx	8 Pairs 24 AWG,SFTP Fig-8 (Siamese)	Aluminum foil & Braid	IEC-60331.1 VW-1	FR-LSZH (HFFR)	6.5x13.0	100	65

The values are nominal
 "xxx" – Jacket color code
 Conductors insulation - PE compound

Basic Solution Patch (working area) Cat 5e Cables

Teldor P/N	Construction	Overall Shield Type	Flame Test	Jacket Material	Cable Diameter [mm]	Cable Weight [kg/km]	NVP (%)
7204204xxx	4 Pair 24 AWG UTP	None	IEC 60332.1 VW-1	PVC	5.3	33	67
7254204xxx	4 Pair 24 AWG UTP	None	IEC 60332.1 VW-1	FR-LSZH (HFFR)	5.3	33	67
7272604xxx ¹	4 Pair 26 AWG UTP	None	IEC 60332.1 VW-1	PVC	4.8	25	67
7282604xxx ¹	4 Pair 26 AWG UTP	None	IEC 60332.1 VW-1	FR-LSZH (HFFR)	4.8	25	67
8272626xxx	4 Pair 26 AWG FTP	Aluminum foil	IEC 60332.1 VW-1	PVC	5.5	30	67
8282604xxx	4 Pair 26 AWG FTP	Aluminum foil	IEC 60332.1 VW-1	FR-LSZH (HFFR)	5.5	30	67
9292604xxx	4 Pair 26 AWG SFTP	Aluminum foil & Braid	IEC 60332.1 VW-1	PVC	5.5	38	67
9292654xxx	4 Pair 26 AWG SFTP	Aluminum foil & Braid	IEC 60332.1 VW-1	FR-LSZH (HFFR)	5.5	38	67

The values are nominal
¹ Cat 5e per IEC 61156-6 50% attenuation
 "xxx" – Jacket color code
 Conductors insulation- PE compound

Basic Solution Patch (working area) Cat 5 Cables

Teldor P/N	Construction	Overall Shield Type	Flame Test	Jacket Material	Cable Diameter [mm]	Cable Weight [kg/km]	NVP (%)
7274202xxx	2 Pair 24 AWG Flat UTP	None	IEC 60332.1 VW-1	PVC	3.0x5.0	19	67
7291202xxx	2 Pair 26 AWG Flat UTP	None	IEC 60332.1 VW-1	PVC	3.0x4.5	18	67
8291292xxx	2 Pair 26 AWG FTP	Aluminum foil	IEC 60332.1 VW-1	PVC	5.2	24	67

The values are nominal
 "xxx" – Jacket color code
 Conductors insulation - PE compound



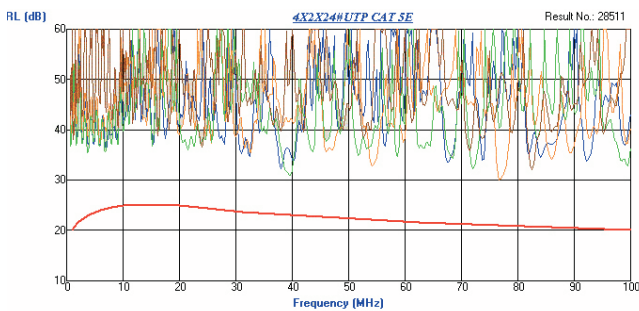
The BASIC SOLUTION special CAT 5 & 5e Cables

TELDOR P/N	Shield	Cable Construction	Jacket Material
75620ppxxx	UTP	Multipair flat or round	PVC
75720ppxxx	UTP	Multipair flat or round	FR-LSZH (HFFR)
75640qqxxx	UTP	Multicore, 4 UTP pairs each	PVC
75740ppxxx	UTP	Multicore, 4 UTP pairs each	FR-LSZH (HFFR)
83712ppxxx	FTP	Multipair flat or round	PVC
83752ppxxx	FTP	Multipair flat or round	FR-LSZH (HFFR)
83714qqxxx	FTP	Multicore, 4 pairs (FTP) each	PVC
83754qqxxx	FTP	Multicore, 4 pairs (FTP) each	FR-LSZH (HFFR)
93912ppxxx	SFTP	Multipair flat or round	PVC
93714qqxxx	SFTP	Multicore, 4 pairs (SFTP) each	PVC
93754qqxxx	SFTP	Multicore, 4 pairs (SFTP) each	FR-LSZH (HFFR)
93716qqxxx	SFTP	Multicore, 4 pairs (SFTP) each Overall Foil + Braid shield	PVC
7568225xxx	UTP	2x(25x2x24 AWG) Fig-8 (Siamese)	PVC
9373204xxx	SFTP	3x(4x2x24 AWG, SFTP) Triamese	PVC
9373254xxx	SFTP	3x(4x2x24 AWG, SFTP) Triamese	FR-LSZH (HFFR)

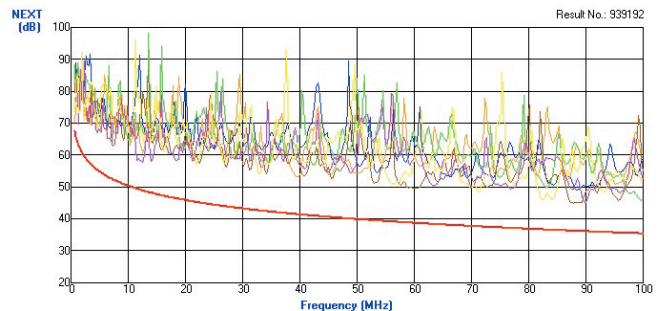
xxx - color code
 pp - number of pairs
 qq - number of cores (4 pairs each)
 FTP - common foil shield

SFTP - common foil + braid shield
 FR-LSZH - Flame Retardant Low Smoke
 Zero Halogen (also known as HFFR)
 PVC - Polyvinyl Chloride

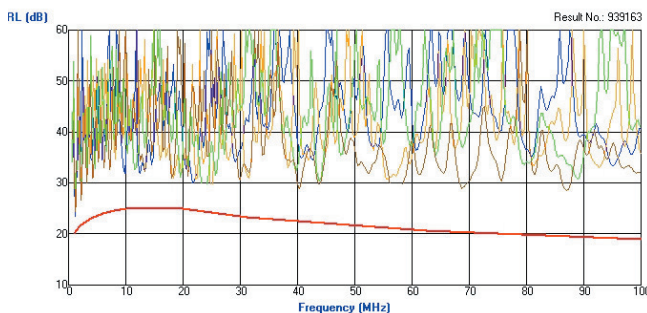
Horizontal Cable - 4x2x24 AWG UTP CAT 5e - Typical RL



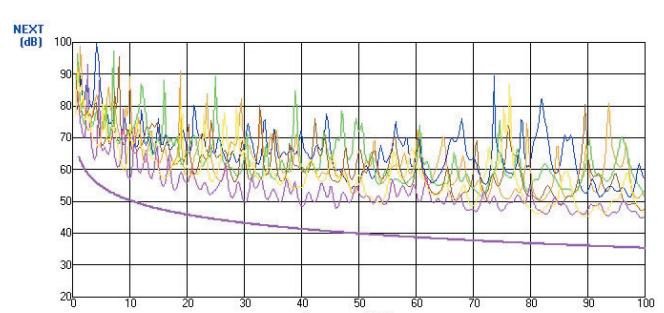
Horizontal Cable - 4x2x24 AWG UTP CAT 5e - Typical NEXT



Patch Cable - 4x2x24 AWG UTP CAT 5e - Typical RL



Patch Cable - 4x2x24 AWG UTP CAT 5e - Typical NEXT



Transmission performance	Exceeds Cat5e and class D of: IEC 61156-5, IEC 61156-6, EIA/TIA 568-B.2, ISO/IEC 11801
Resistance Unbalance	Max. 2%
Characteristic Impedance	100 ±15 Ohm, 1 – 100 MHz
Capacitance Unbalance	Max. 1.5 pF/m



TELDOR... The Best Connection™



What is The BASIC-Solution?

The BASIC-Solution is a complete line of high-performance 100 Ohm cables, conforming to the most updated standards, including Category 5e according to TIA/EIA-568-B.2, Cat 5 (new) according to ISO/IEC 11801 2nd Edition (FCD), Cat 5e according to IEC 61156-5 and CENELEC prEN 50288, supporting upgraded CLASS D (new) Links.

The product range includes Horizontal, Working area (Patch) and Backbone Cables, available in a wide range of constructions, including UTP, FTP and SFTP. Basic-Solution cables for Outdoor use are given in Teldor's Outdoor Solution brochure.

Teldor guarantees that when BASIC-Solution cables are properly installed and terminated with adequate connecting hardware, the basic link supports the

application of IEEE 802.3ab 1000BASE-T (better known as "Gigabit Ethernet"). The attenuation of the BASIC-Solution cables is low enough to allow the use of patch cords having up to 50% higher attenuation than horizontal cables, as defined in IEC 61156-5 and IEC-61156-6.

The BASIC-Solution cables are constantly tested and verified to maintain all their transmission parameters after installation and throughout the warranty period. They are included in The FAIL-SAFE program and are officially verified by internationally recognized independent test houses.

All cables are available with PVC or flame retardant low-smoke zero-halogen (FR-LSZH \ HFFR) jackets, in single or "Siamese twin" (FIG-8) constructions.

TELDOR Wires & Cables Ltd.,

TELDOR Wires & Cables Ltd. Is a leading ISO-9001:2000 certified manufacturer of Hi-Tech, sophisticated cables.

Our product range includes:

Audio frequency & microphone cables, High frequency coaxial, triaxial and twinaxial cables, Instrument & thermocouple extension cables, BUS cables, Power cables, Telecom and switchboard cables for both digital and analog applications, TelSec cables for perimeter intrusion detection and security applications, Digicom cables for ISDN and Digital Telecommunication Systems and Fiber Optic cables.

TELDOR'S LAN & data transmission cable range includes:

The BASIC-Solution: 100 MHz Category 5 & 5E Cables

The GIGA-STAR Solution: 250 MHz Category 6 Cables

The GIGA-DORSolution: 600 MHz Category 7 Cables

The HI-GIGA Solution: 900 MHz Cables

The TERA-DOR Solution: 1200 MHz Cables

The FLEX-Solution: Patch, Jumpers and Work-area Cables.

The OPTILAN-Solution: Fiber Optic Cables for the Local Area Network

Please call us for more information on other products from our wide range of wires & cables.

TELDOR... The Best Connection™



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