DATA LAN CABLES

CABLE TYPE	*: CATEGORY 5 e* FTP *4x2x24 AWG-AERIAL TYPE*
SPECIFICATION	*: ANSI/ TIA/EIA-568-B.2 and IEC – 61156 – 5 (for ISO/IEC –118012 nd press) category 5 e , According to CENELEC EN 5050288-3 and 50288 – 3 and IEC S – 90-661:1997 , 100 Mhz*
APPLICATION	*: Used in data communication networks in transmission of analog or digital signals, has a maximum working transmission speed of 100 Mbit/sn*
CONSTRUCTION	*: Ø 0,51 mm electolytic copper conductor.* *Poliolefin insulation.* *Cores twisted in pairs* *Pairs stranded together.* *Polyester tape that does not contain moisture and have dielectric property* *Ø 0,51 mm electrolytic tinned copper earth wire* *AL- PES foil screen* *Black PE outher sheath* *1.12 mm Galvanized Steel Messenger Wire (Mono)*
	Standard Packing :, 305 m drum , 500 m / 1000m drum

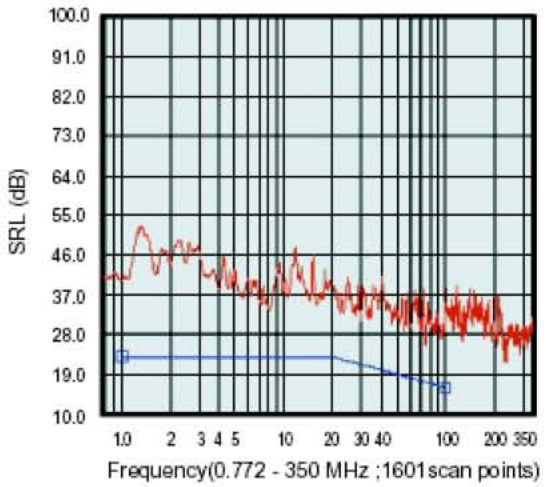
TECHNICAL DATA :

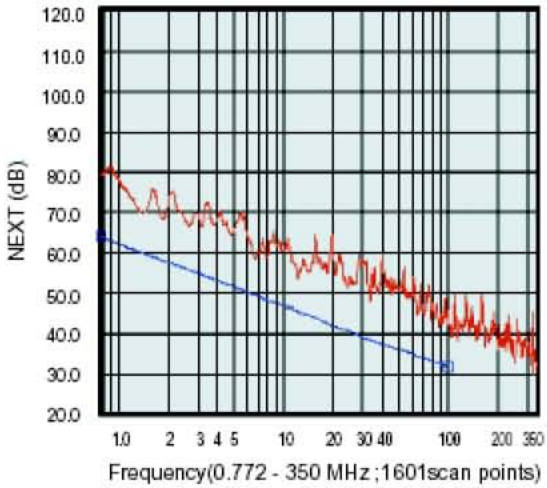
1.	**Impedance**	100 Ω ± % 6 Ohm 1-100 MHz
2.	**Mutual Capacitance**	Max. 56 nf/km
3.	**Conductor resistance**	Max. 94 Ω/km
4.	**Resistance Unbalance**	*Max. %2*
5.	**Insulation Resistance**	5000 M Ω km (500 VDc)
6.	**Test Voltage**	Max. 1200 V
7.	**Working Voltage**	Max. 250 V
8.	**Working Temperature**	-20 ^{0}C ...+ 60 ^{0}C
9.	**Min. Bending Radius**	8xD (Kablo Yarıçapı) (Cable Radius)
10.	**Tensile Strength**	Max. 50 N/mm ^{2}

DATA/LAN CABLES – *CATEGORY 5* FTP *4x2x24 AWG-AERIAL*

Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PSNear-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Min. (dB/100 m)	Structural Return Loss (SRL) Min. (dB))
0,772	1,8	67,0	64	66,0	63,8	---
1,0	2,0	65,3	62,3	63,8	60,8	23,0
4,0	4,1	56,3	53,3	51,8	48,8	23,0
8,0	5,8	51,8	48,8	45,7	42,7	23,0
10,0	6,5	50,3	47,3	43,8	40,8	23,0
16,0	8,2	47,2	44,2	39,7	36,7	23,0
20,0	9,3	45,8	42,8	37,8	34,8	23,0
25,0	10,4	44,3	41,3	35,8	32,8	22,0
31,25	11,7	42,9	39,9	33,9	30,9	21,0
62,5	17,0	38,4	35,4	27.9	24,9	18,0
100	22,0	35,3	32,3	23,8	20,8	16,0





Insertion Loos