



# CABLURI TRANSMISII DE DATE INTERNET

## F/UTP cat.6 (250MHz)

### 4 x 2 x 23 AWG

IEC 61156-5, IEC 11801/ EN 50173-1, EIA/TIA 568C.2

REVISION: 0

DATE: 17.05.2016

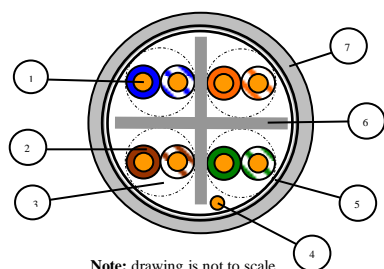
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### DESCRIERE – APLICATII

Cabluri pentru instalatii de date, ideale pentru retele LAN si Ethernet aplicatii de 1000 BT, pentru uz casnic sau industrial.

### CABLE DESIGN

Cablu unifilar



Note: drawing is not to scale

1. Conductor: 100% cupru solid.
2. Izolatie: PE compound.
3. Torsadare: 2 coresi twisted in a pair.
4. Impamantare: cupru cositorit
5. Ecran: overlapped laminated aluminium foil
6. Element de separare: MDPE compound
7. Manta exterioara: PVC or LSZH

Tip cablu	Dimensiune	Manta	Culoare standard	Diametru Exterior <sup>2</sup> (mm)	Greutate (kg/km)
Interior	4 x 2 x 23 AWG	PVC	Grey	7.5	52
Interior	4 x 2 x 23 AWG	FR LSZH	Grey	7.5	52

<sup>1</sup>: available also in other colors if requested.

<sup>2</sup>: typical values.

CONDITII DE OPERARE			CARACTERISTICI ELECTRICE (20°C)		
Temperature range	Static	Dynamic	DC Conductor Resistance	≤ 80 Ohm/km	
	-20°C to +60°C	0°C to +50°C	Insulation Resistance	≥ 5000 MΩ·Km / 500 VDC	
Raza de curbura	Static 4 x D	Dynamic 8 x D	Mutual Capacitance	50±3 nF/km / 1.0 KHz	
			Capacitance pair to ground	≤ 500 pF/km / 1.0 KHz	
	Characteristic Impedance	100 ± 15% Ω / 1-100 MHz 100 ± 18% Ω / 100-250 MHz			
Comportare la foc			Velocity of Propagation	74 % nom.	
	PVC	IEC 60332-1		LCL	80 dB min. / 64 KHz
	FR LSZH cable	IEC 60332-1 <sup>3</sup> , IEC 60754-2, IEC 61034		Operating Voltage	100 V max.
			Dielectric Strength	1000 Volts / 1 minute DC	

<sup>3</sup>: can comply with IEC 60332-3-24 if special FR LSZH compound is requested.

### BASIC TRANSMISSION CHARACTERISTICS (20°C) (typical values)

Frequency MHz	Attenuation dB/100m		NEXT dB		ELFEXT dB		Return loss dB	
	Cat 6A max.	Typical values	Cat 6A min.	Typical values	Cat 6A min.	Typical values	Cat 6A min.	Typical values
1	2.1	1.9	74	85	68	91	20.0	30
4	3.8	3.6	65	81	56	83	23.0	25
10	5.9	5.6	59	79	48	76	25.0	32
16	7.5	7.0	56	64	44	70	25.0	32
31.25	10.5	9.9	52	60	38	62	23.6	30
62.5	15.0	14.1	47	58	32	54	21.5	25
100	19.1	17.8	44	61	28	54	20.1	32
200	27.6	25.2	40	53	22	49	18.0	31
250	31.1	28.4	38	53	20	44	17.3	29
300	34.3	31.1	37	52	19	39	16.7	24
500	45.3	40.6	34	45	14	35	15.2	24

### IDENTIFICARE

Pair 1		Pair 2		Pair 3		Pair 4	
Blue	White\Blue	Orange	White\Orange	Green	White\Green	Brown	White\Brown

### MARCARE

"CABLEL F/UTP 4x2x23 AWG 250MHz in accordance with CAT6 ISO/IEC 11801/ EN 50173 + TIA/EIA 568C.2 – Length m".

### ambalare

Bobine de 305m, 500m sau 1000m.

Any particular requirements about packing, drum marking, cable length per drum can be provided if requested.