

# F/UTP 6

## 4x2xAWG23/1

### Class CPR D<sub>ca</sub>

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS

**CU**  
4 x ( 2 x ø 0,57 mm )

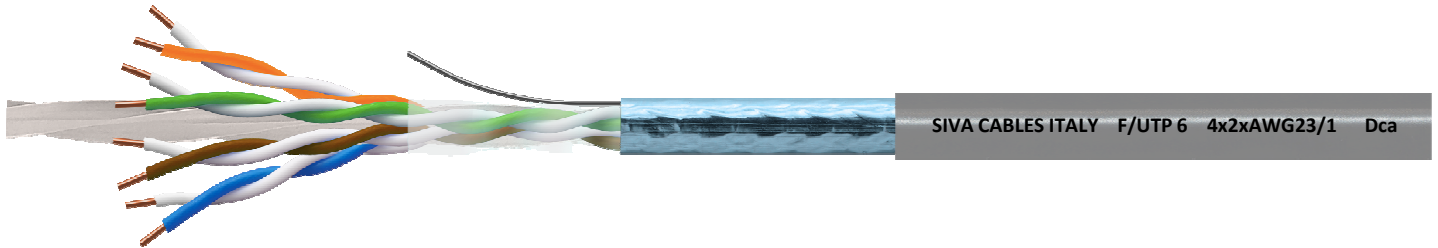
**PE**  
4 x ( 2 x ø 1,10 mm )

**Pet-sp**  
h. 25 mm

**CS**  
ø 0,40 mm

**LAP**  
h. 20 mm

**PLSF**  
ø 7,60 mm



SIVA CABLES ITALY F/UTP 6 4x2xAWG23/1 D<sub>ca</sub>

### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	4 x ( 2 x ø 0,57 mm )
<b>B</b>	<b>INSULATION</b>	LOW DENSITY POLYETHYLENE	4 x ( 2 x ø 1,10 mm )
	- COLOUR	WHITE/BLUE - BLUE WHITE/GREEN - GREEN WHITE/BROWN - BROWN	WHITE/ORANGE - ORANGE WHITE/BROWN - BROWN
<b>C</b>	<b>NON-MIGRATING</b>	SPIRAL POLYESTER TAPE	h. 25 mm
<b>D</b>	<b>DRAIN WIRE</b>	TINNED COPPER	ø 0,40 mm
<b>E</b>	<b>SHIELD</b>	SPIRAL ALUMINIUM + POLYESTER TAPE COVERAGE	h. 20 mm 100%
<b>F</b>	<b>SHEATH</b>	LOW SMOKE AND FUME POLYVINYL-CHLORIDE	ø 7,60 ± 0,30 mm
	- COLOUR	<b>GREY - RAL 7001</b>	
	- PRINTING	<b>## METER ## SIVA F/UTP 4x2x23AWG CATEGORY 6 CPR D<sub>ca</sub></b> <b>LSZH SHEATH CEI-UNEL 36762 C-4 ( U<sub>0</sub> = 400 V. )</b>	

#### MINIMUM BENDING RADIUS ( mm )

- INSTALLATION	35 mm
- OPERATING	70 mm

#### CABLE WEIGHT ( Kg/Km )

- COPPER	19,5
- PLASTIC	28,8
- TOTAL	57,6

TEMPERATURE RANGE -25 °C / +80 °C

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE ( @ 100 MHz )</b>	100 ± 10 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE ( @ 800 Hz )</b>	48 pF/m	- DC CONDUCTOR	80 Ohm/Km
<b>VELOCITY RATIO</b>	69%	- LOOP	160 Ohm/Km
<b>COUPL. ATTEN. ( 30÷100 MHz )</b>	>45 dB	- INSULATION ( 500 V )	>5000 Mohm/Km
<b>SCREENING EFFECTIVENESS</b>	>50 dB	<b>SHEATH INSULATION VOLTAGE</b>	1 kV

### TRANSMISSION PROPERTIES at 20°C

	ATTENUATIONS dB/100 m.	RL dB	NEXT dB	ACR-N dB/100 m.	TRANSFER IMPEDANCE Mohm/m.
1 MHz	1,8	25,0	100,0	98,2	<35
10 MHz	5,4	25,0	80,0	74,6	<45
20 MHz	7,7	25,0	70,0	62,3	-
31,2 MHz	9,6	25,0	65,0	55,4	<110
62,5 MHz	13,7	25,0	60,0	43,3	-
100 MHz	17,4	25,0	60,0	42,6	<150
155,5 MHz	21,9	25,0	55,0	33,1	-
200 MHz	25,0	20,0	55,0	30,0	-
250 MHz	28,1	20,0	50,0	21,9	-
300 MHz	30,8	20,0	45,0	14,2	-

The producer reserves himself to make modification on the item without any notice.