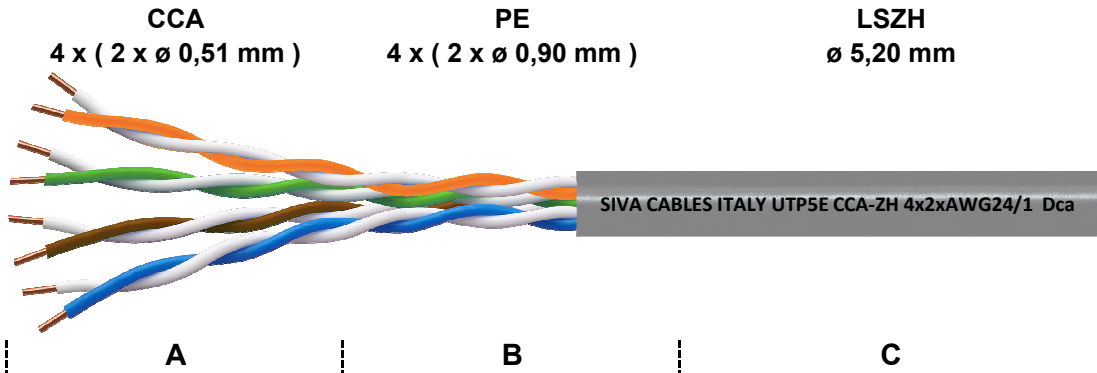


# U/UTP 5E CCA - ZH 4x2xAWG24/1

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

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER CLAD ALUMINIUM	4 x ( 2 x ø 0,51 mm )
<b>B</b>	<b>INSULATION</b>	LOW DENSITY POLYETHYLENE	4 x ( 2 x ø 0,90 mm )
	- COLOUR	WHITE/BLUE - BLUE	WHITE/ORANGE - ORANGE
		WHITE/GREEN - GREEN	WHITE/BROWN - BROWN
<b>C</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 5,20 ± 0,30 mm
	- COLOUR	<b>GREY - RAL 7001</b>	
	- PRINTING		

### MINIMUM BENDING RADIUS ( mm )

- INSTALLATION	20 mm
- OPERATING	40 mm

### CABLE WEIGHT ( Kg/Km )

- CCA	4,4
- PLASTIC	17,0
- TOTALE	21,4

TEMPERATURE RANGE -15 °C / +70 °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	145 Ohm/Km
<b>VELOCITY RATIO</b>	69%	- LOOP	190 Ohm/Km
<b>COUPLING</b>	>45 dB	- INSULATION ( 500 V )	>2000 Mohm/Km
<b>ATTENUATION ( 30÷100 MHz )</b>		<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.
1	MHz	2,2	20,0	71,0	69,1
10	MHz	6,5	25,0	56,0	50,0
20	MHz	9,3	25,0	51,0	42,5
31,2	MHz	11,7	24,0	49,0	38,3
62,5	MHz	17,0	22,0	44,0	28,3
100	MHz	21,8	20,0	41,0	21,2
155,5	MHz	26,7	15,0	38,0	13,8
200	MHz	30,5	15,0	36,0	8,5
250	MHz	32,7	15,0	35,0	5,8
300	MHz	36,0	15,0	34,0	2,0

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