

UNIRAIL D – ETHERNET CABLE CATEGORY 6

Type: **4x2x23 AWG/1 SF/UTP**

Code: **RW104A**



CONSTRUCTION	
Conductor	solid bare copper wire – 23 AWG/1 (0,25 mm ²)
Insulation	polyolefin
Insulation colours	white-blue/blue ÷ white-orange/orange ÷ white-green/green ÷ white-brown/brown
Conductor assembly	twisted to pairs • 1 pair white-blue/blue • 2 pair white-brown/brown • 3 pair white-green/green • 4 pair white-orange/orange
Assembly elements	pairs stranded together around a central cross separator filler
Separation	polyester tape
Overall shield	aluminium/polyester tape + tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - green if not otherwise stated
Marking	UNIKA (Italy) – Ethernet Cable CAT. 6 (4x2x23AWG/1)M - 100 ohm - WW/YYYY –traceability code

Type: **4x2x26 AWG/7 SF/UTP**

Code: **RW104B**



CONSTRUCTION	
Conductor	stranded bare copper wire – 26 AWG/7 (0,14 mm ²)
Insulation	polyolefin
Insulation colours	white-blue/blue ÷ white-orange/orange ÷ white-green/green ÷ white-brown/brown
Conductor assembly	twisted to pairs • 1 pair white-blue/blue • 2 pair white-brown/brown • 3 pair white-green/green • 4 pair white-orange/orange
Assembly elements	pairs stranded together around a central cross separator filler
Separation	polyester tape
Overall shield	aluminium/polyester tape + tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - green if not otherwise stated
Marking	UNIKA (Italy) – Ethernet Cable CAT. 6 (4x2x26AWG/7)M - 100 ohm - ww/yyyy –traceability code

Unless otherwise specified, all values are nominal, other values can be provided on request.
The images are made for the sole purpose of illustrating the product and are purely indicative.

The characteristics of the products, described in the data sheet, do not constitute any contractual binding.

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TDS 00/2025

		RW104A 4x2x23 AWG/1 SF/UTP	RW104B 4x2x26 AWG/7 SF/UTP
DC conductor resistance		74,5 Ω/km	143 Ω/km
Capacitance		48 pF/m	52 pF/m
Characteristic impedance		100 Ω (±15%)	
Voltage rating		300 V	
Min insulation resistance		5,0 GΩxkm	5,0 GΩxkm
Nominal velocity of propagation 100MHz		73%	71%
Nominal Attenuation	1 MHz	1,9 dB/100m	2,5 dB/100m
	10 MHz	5,7 dB/100m	8,6 dB/100m
	100 MHz	18,7 dB/100m	28,8 dB/100m
	250 MHz	30,2 dB/100m	47,5 dB/100m
Nominal weight		90 kg/km	52 kg/km
Nominal Diameter		7,5 mm	6,4 mm
Minimum bending radius		10 x outer ø	
Temperature range		-40 °C +90°C	

Fire safety: cables are classified in compliance with the highest requirements established by hazard level HL3 into Standard EN 45545-2 for indoor cables (EL1A) and outdoor cables (EL1B).

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