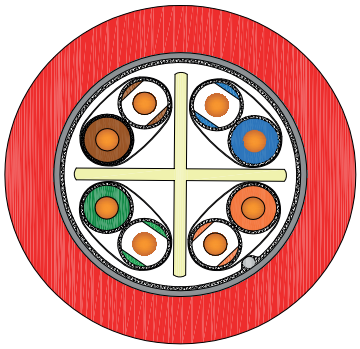
UNIRAIL *D* – ETHERNET CABLE CATEGORY 5e FIRE RESISTANT

Type: **4x2x23 AWG/1 SF/UTP**
Code: **RW101A**



CONSTRUCTION	
Conductor	solid bare copper wire – 23 AWG/1 (0,25 mm²)
Insulation	polyelefin
Insulation colours	white/blue, blue ÷ white/orange, orange ÷ white/green, green ÷ white/brown, brown
Fire barrier	special mineral glass tape with overlap over core insulation
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
Separation	polyester tape on each pair
Assembly elements	pairs stranded together around a central cross separator filler
Separation	glass fibre tape
Overall shield	copper/polyester tape + tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - redcolour if not otherwise stated
Marking	UNIKA (Italy) – Ethernet Cable CAT. 5e 4x2x23AWG/1 M – EN50200 EN50289-4-16 PH120 100MHz – *traceability code*

Type: **1x4x22 AWG/19 SF/UTP**
Code: **RW101B**

CONSTRUCTION	
Conductor	stranded bare copper wire – 22 AWG/7 (0,35 mm²)
Insulation	polyolefin
Insulation colours	white ÷ blue ÷ yellow ÷ orange
Assembly of core	Stranded to quad: • pair1 white/blue • pair2 yellow/orange
Separation	polyester tape
Inner jacket	Halogen-free compound
Overall shield	aluminium/polyester tape + tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - green colour if not otherwise stated
Marking	UNIKA (Italy) – Profinet Cable CAT. 5e 1x4x22AWG/19 M – EN50200 EN50289-4-16 PH120 100 MHz – *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.

		RW101A 4x2x23 AWG/1 SF/UTP	RW101B 1x4x22 AWG/19 SF/UTP
DC conductor resistance		94,2 Ω/km	60 Ω/km
Capacitance		55 pF/m	53 pF/m
Characteristic impedance		100 Ω (±15%)	100 Ω (±15%)
Voltage rating		300 V	300 V
Min insulation resistance		5,0 GΩxkm	5,0 GΩxkm
Nominal velocity of propagation 100MHz		64%	67%
Nominal Attenuation	1 MHz	1,9 dB/100m	1,6 dB/100m
	10 MHz	5,7dB/100m	5,1 dB/100m
	100 MHz	19,3 dB/100m	19,0 dB/100m
Nominal weight		130 kg/km	63 kg/km
Nominal Diameter		9,2 mm	6,8 mm
Minimum bending radius		15 x outer ø	15 x outer ø
Temperature range		-40 °C +90°C	-40 °C +90°C
Standard reference		IEC 61156-5, EN 50288-2-1, EN 5289-4-16, ISO/IEC 11801, EN 50173, EN 50200	

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).