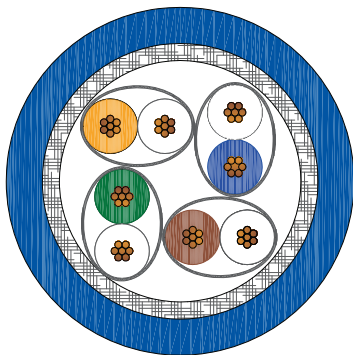


UNIRAIL D – ETHERNET CABLE CATEGORY 7A

Type: **4x(2x26AWG/7) S/FTP**

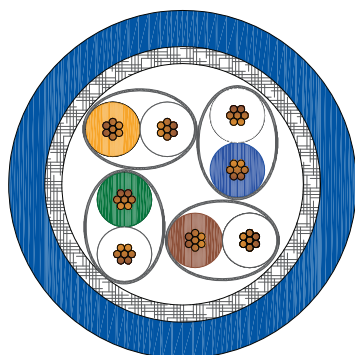
Code: **RW102A**



CONSTRUCTION	
Conductor	stranded bare copper wire – 26 AWG/7 (0,14 mm ²)
Insulation	foam-skin polyethylene
Pair colours	blue/white ÷ orange/white ÷ green/white ÷ brown/white
Pair screen	aluminium/polyester tape (aluminium surface outside)
Assembling	shielded pairs stranded together
Overall shield	tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - bluecolour if not otherwise stated
Marking	UNIKA (Italy) – Ethernet Cable CAT. 7A 4x(2x26AWG/7) M - 100 ohm - WW/ YYYY – <i>traceability code</i>

Type: **4x(2x24AWG/7) S/FTP**

Code: **RW102B**



CONSTRUCTION	
Conductor	stranded bare copper wire – 24 AWG/7 (0,22 mm ²)
Insulation	foam-skin polyethylene
Pair colours	blue/white ÷ orange/white ÷ green/white ÷ brown/white
Pair screen	aluminium/polyester tape (outside aluminium surface)
Assembling	shielded pairs stranded together
Overall shield	tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - bluecolour if not otherwise stated
Marking	UNIKA (Italy) – Ethernet Cable CAT. 7A 4x(2x24/7AWG) M - 100 ohm - WW/ YYYY – <i>traceability code</i>

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.

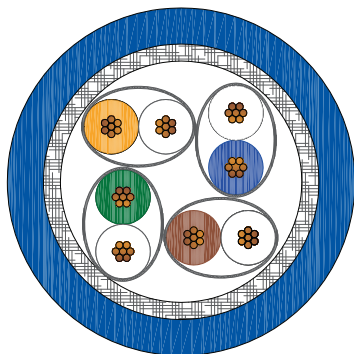
The characteristics of the products, described in the data sheet, do not constitute any contractual binding.

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Type: **4x(2x23AWG/7) S/FTP**
Code: **RW102C**

UNIKA



CONSTRUCTION	
Conductor	stranded bare copper wire – 23 AWG/7 (0,26 mm ²)
Insulation	foam-skin polyethylene
Pair colours	blue/white ÷ orange/white ÷ green/white ÷ brown/white
Pair screen	aluminium/polyester tape (outside aluminium surface)
Assembling	shielded pairs stranded together
Overall shield	tinned copper braid 85% coverage
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - bluecolour if not otherwise stated
Marking	UNIKA (Italy) – Ethernet Cable CAT. 7A 4x(2x23/7AWG) M - 100 ohm - WW/ YYYY – <i>traceability code</i>

	RW102A 4x(2x26AWG/7) S/FTP	RW102B 4x(2x24AWG/7) S/FTP	RW102C 4x(2x23AWG/7) S/FTP
DC conductor resistance	143,0 Ω/km	94,2 Ω/km	74,5 Ω/km
Capacitance	46 pF/m	42pF/m	45pF/m
Characteristic impedance		100 Ω (±15%)	
Voltage rating		300 V	
Min insulation resistance	5,0 GΩxkm	5,0 GΩxkm	5,0 GΩxkm
Nominal velocity of propagation 100MHz	77%	77%	77%
Transfer Impedance 1 MHz	10 mΩ/m	10 mΩ/m	10 mΩ/m
10 MHz	10 mΩ/m	8 mΩ/m	8 mΩ/m
30 MHz	10 mΩ/m	10 mΩ/m	10 mΩ/m
Nominal attenuation 10 MHz	8,3 dB/100m	6,9 dB/100m	5,7 dB/100m
100 MHz	26,3 dB/100m	19,0 dB/100m	18,7 dB/100m
250 MHz	42,0 dB/100m	30,8 dB/100m	30,1 dB/100m
600 MHz	66,1 dB/100m	49,5 dB/100m	47,6 dB/100m
Nominal weight	59 kg/km	90 kg/km	100 kg/km
Nominal diameter	6,7 mm	8,2 mm	8,4 mm
Minimum bending radius		10 x outer ø	
Temperature range		-40 °C +90°C	
Standard reference	EN 50173, IEC 61156-6, TIA/EIA 568 B.2, EN 50288-4-2, ISO/IEC 11801		

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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