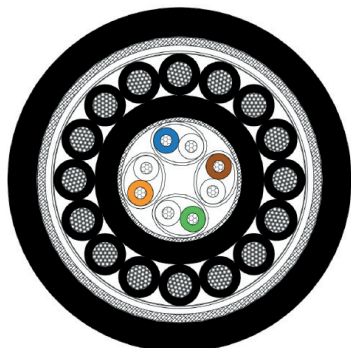


UNIRAIL J - JUMPER cables

Type: **[16x1 + CAT. 7 4x(2xAWG24)] M**

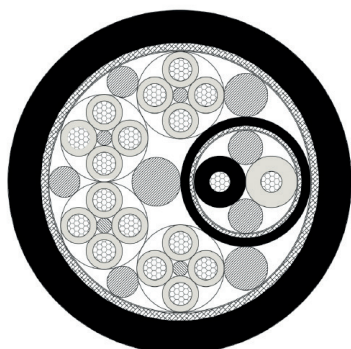
Code: **RJ001**



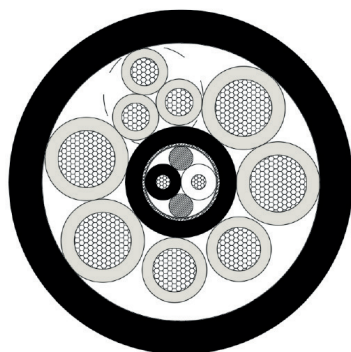
CONSTRUCTION	
CONTROL CORES	
Conductor	flexible strand of tinned copper wire according to class 6 EN 60228
Insulation	crosslinked compound, type EI109 according to EN 50264
Cores identification	black with white numbers
DATA CORES	
Conductor	flexible stranded tinned copper wire – AWG24 (7 wires)
Insulation	foam skin polyethylene according to EN 50290-2-23
Insulation colours	white-blue, white-orange, white-green, white-brown
Assembly of core	4 cores stranded to quad
Overall shield	aluminium/ polyester tape, tinned copper braid, coverage 85%
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - black colour if not otherwise stated

Type: **[4x4x1+(2x0,75)]M**

Code: **RJ002**



CONSTRUCTION	
DATA CORES (0,75 mm²)	
Conductor	flexible strand of tinned copper wire - 19 wires
Insulation	halogen free compound
Cores identification	white, black
Pair assembly	cores are stranded together
Pair screen	Tinned copper wire braid
Pair jacket	Halogen free compound, black
POWER CORES (1 mm²)	
Conductor	flexible stranded of tinned copper wire – 19 wires
Insulation	halogen free compound
Cores identification	white with black numbers from 1 to 16
Quad assembly	Cores are stranded together around central filler
Total assembly	Quads and pair are stranded together around central filler
Overall shield	Tinned copper wire braid (min. coverage 90%)
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - black colour if not otherwise stated

Type: **4x10+2x6+3x2,5+1x(2x0,75)**Code: **RJ005**

CONSTRUCTION	
POWER CORES	
Conductor	flexible strand of tinned copper wire according to class 6 EN 60228
Insulation	halogen free compound
Cores identification	6 mm ² : white marked A, B 2,5 mm ² : white marked D, F, G 10 mm ² white marked 1, 2, 3, 4
Triad assembly	2,5 mm ² cores are stranded together
DATA CORES	
Conductor	flexible stranded of tinned copper wire – 19 wires
Insulation	halogen free compound
Cores identification	white marked X, black marked Y
Pair assembly	Cores are twisted together with suitable fillers
Pair screen	Tinned copper wire braid, coverage 90%
Pair jacket	Halogen free compound, black
Total assembly	Cores and triad are stranded together around bus pair, separator foil over the assembly
Outer jacket	crosslinked compound, type EM104 according to standard EN 50264-1 - black colour if not otherwise stated

	[16x1+CAT. 7 4x(2xAWG24)]M RJ001	[4x4x1+(2x0,75)] M RJ002	4x10+2x6+3x2,5+1x(2x0,75) RJ005
Capacitance	65 pF/m	65 pF/m	65 pF/m
Characteristic impedance	100 Ω (±5%)	120 Ω (±10%)	120 Ω (±10%)
Voltage rating	300 V	0,6/1 kV (Power), 300 v (BUS pair)	500 V (Power), v (BUS) 300
Nominal weight	540 kg/km	505 kg/km	1190 kg/km
Nominal outer diameter	17,5 mm	17,9 mm	26,0 mm
Minimum bending radius, fixed installation	4 x outer ø	5 x outer ø	5 x outer ø
Minimum bending radius, flexible installation	6 x outer ø (tested acc. ISO 4141)	8 x outer ø	8 x outer ø
Temperature range, fixed installation	-50 °C +90°C	-40 °C +90°C	-40 °C +90°C
Temperature range, flexible installation	-25 °C +90°C	-25 °C +90°C	-25 °C +90°C

Unless otherwise specified, all values are nominal, other values can be provided on request.
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TDS 00/2025