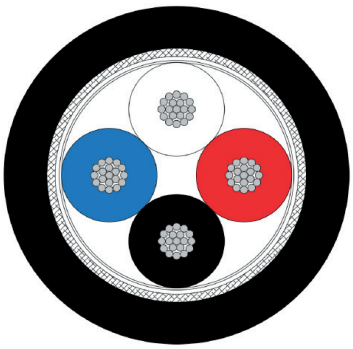
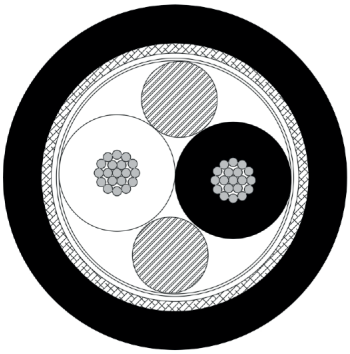
UNIRAIL *D* – MVB and WTB cables

Type: **MVB 1x4x0,50**
Code: **RW105C**

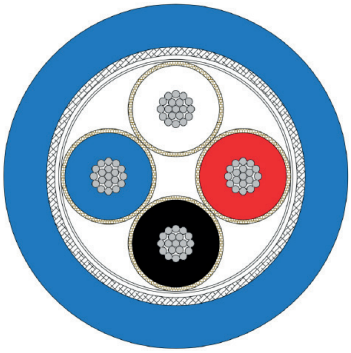


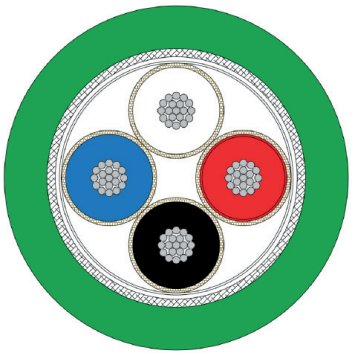
CONSTRUCTION	
Conductor	stranded tinned copper wire – 0,50 mm² (19 wires)
Insulation	foam skin polyolefin
Insulation colours	White, red, black, blue
Assembly of core	4 cores stranded to quad
Overall shield	metallic tape, tinned copper braid, coverage 85%
Outer sheath	crosslinked compound, type EM104 according to standard EN 50264-1 - black colour if not otherwise stated

Type: **WTB 1x2x0,75**
Code: **RW105A**



CONSTRUCTION	
Conductor	stranded tinned copper wire – 0,75 mm² (19 wires)
Insulation	foam skin polyolefin
Insulation colours	White - Black
Assembly of core	2 cores stranded to pair
Overall shield	metallic tape, tinned copper braid, coverage 85%
Outer sheath	crosslinked compound, type EM104 according to standard EN 50264-1 - black colour if not otherwise stated

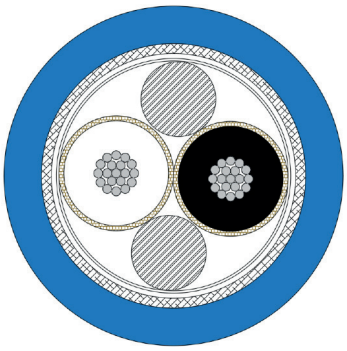




Type: **MVB 1x4x0,50 EN 50200 PH15**
Code: **RW106C (blue) - RW106CV (green)**

CONSTRUCTION	
Conductor	stranded tinned copper wire – 0,50 mm² (19 wires)
Insulation	foam skin polyolefin
Fire barrier	special mineral glass tape with overlap over core insulation
Insulation colours	White, red, black, blue
Assembly of core	4 cores stranded to quad
Overall shield	metallic tape, tinned copper braid, coverage 85%
Outer sheath	crosslinked compound, type EM104 according to standard EN 50264-1 - blue or green

Type: **WTB 1x2x0,75 EN 50200 PH15**
Code: **RW106D (blue)**



CONSTRUCTION	
Conductor	stranded tinned copper wire – 0,75 mm² (19 wires)
Insulation	foam skin polyolefin
Insulation colours	White - Black
Fire barrier	special mineral glass tape with overlap over core insulation
Assembly of core	2 cores stranded to pair
Overall shield	metallic tape, tinned copper braid, coverage 85%
Outer sheath	crosslinked compound, type EM104 according to standard EN 50264-1 - blue colour if not otherwise stated

	MVB 1x4x0,50 RW105C	WTB 1x2x0,75 RW105A	MVB 1x4x0,50 EN 50200 RW106C/ RW106CV	WTB 1x2x0,75 EN 50200 RW106D
DC conductor resistance	≤ 40,1 Ω/km	≤ 26,7 Ω/km	≤ 40,1 Ω/km	≤ 26,0 Ω/km
Capacitance	48 pF/m (data pair)	65 pF/m (data pair)	48 pF/m (data pair)	65 pF/m (data pair)
Characteristic impedance (0,5÷5 MHz)			120 Ω (±10%)	
Voltage rating			300 V	
Min insulation resistance	1,0 GΩ x km	1,0 GΩ x km	1,0 GΩ x km	1,0 GΩ x km
Nominal velocity of propagation 100MHz	66%	74%	66%	66%

			Before EN 50200	After EN 50200	Before EN 50200	After EN 50200
Nom attenuation	1 MHz		14,0 dB/km		12,0 dB/km	12,0 dB/km	12,0 dB/km
	1,5 MHz	15,0 dB/km	21,1 dB/km	15,0 dB/km			
	2 MHz		24,1 dB/km		17,0 dB/km	14,0 dB/km	14,0 dB/km
	3 MHz	20,0 dB/km	26,7 dB/km	20,0 dB/km			
Nominal weight		98 kg/km	105 kg/km	100 kg/km		116 kg/km	
Nominal outer diameter		8,3 mm	8,4 mm	8,1 mm		8,7 mm	
Minimum bending radius, fixed installation				10 x outer ø			
Temperature range, fixed installation				-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).