

## PMC 2x2.5 + 1x2,5 + 10 x 2 x 0.34 mm<sup>2</sup>, 3kV

### High voltage cable, 23-core for connection and control of uv lamps

PVC multi core cable 3kV, yellow

2x 2.5 mm<sup>2</sup> + 1x 2.5 mm<sup>2</sup> + (10 x 2 x 0.34 mm<sup>2</sup>) existing of:

- 2 wire for emitter connection with 2.5mm<sup>2</sup>, individually shielded
- 1 wire gn/ye with 2.5mm<sup>2</sup> for example for earth-connection of the reflector unit
- 10 pairs control wire (20 wire at 0.34mm<sup>2</sup>), in each case paired twisted and shielded together, for least possible interference from the main-wire (emitter-connection) and external influences.



Technical data			
Art. No.	022 52202 0000		
Conductor	copper tinned, fine wire accordance with VDE 0295 categories 5		
Nominal voltage	2.50 mm <sup>2</sup> (2x lamp)	maximum: 3.000 V RMS	
	2.50 mm <sup>2</sup> (1x PE)	maximum: 500 V	
	0.34 mm <sup>2</sup>	maximum: 300 V	
Test voltage	2.5 mm <sup>2</sup> (2x lamp)	wire/wire: 5,000 V	wire/shield: 4,000 V
	2.5 mm <sup>2</sup> (1x PE)	wire/wire: 3,000 V	wire/shield: 1,500 V
	0.34 mm <sup>2</sup>	wire/wire: 2,000 V	wire/shield: 1,500 V
Wire resistance	2.50 mm <sup>2</sup>	maximum 7.98 Ohm/km	
	0.34 mm <sup>2</sup>	maximum 56.8 Ohm/km	
Insulation resistance	minimum 100 MOhm/km		
Insulation discharge voltage	2.50 mm <sup>2</sup> (2x lamp)	minimum 7,000 V	
	2.50 mm <sup>2</sup> (1x PE)	minimum 6,000 V	
	0.34 mm <sup>2</sup>	minimum 3,000 V	
Arrangement of conductors	each 2 wires 0.34 mm <sup>2</sup> twisted to pairs		
Shielding	network from tinned copper-wire		
	at (10x2x0.34C) mm <sup>2</sup>	= 0.10 mm, opt. coverage approx. 80 %	
	at (2.5CY) mm <sup>2</sup>	= 0.15 mm, opt. coverage approx. 83 %	
Wire insulation	PVC accordance with VDE 0281, part 1 Polyethylene 2Y accordance with VDE 0819, part 103 The product is free of silicone.		
Wire color	0.34 mm <sup>2</sup> : 20x in accordance with DIN 47100; for control signals 2.50 mm <sup>2</sup> : 1x gn/ye (PVC) , 2 x yellow (2Y); for uv lamp		
Inside sheet (2,5CY)	PVC TM2 in accordance to EN 50525-1 VDE 0285-525-1, RAL 7001		
Outer casing	PVC in accordance to VDE 0285		
Outer casing color	yellow, RAL 1021		
Outer dimensions	24.0 + 0.5 mm		
Ambient temperatures	moving:	-5° C to +70° C	
	fixed laying:	-30° C to +70° C	
Bending radius	flexible use: 15 x wire diameter		
Oil resistance	accordance to DIN EN 60811-404 VDE 0473-811-404		
Delivery	- cut on request - bigger quantities on drum (on request)		

The cable is not suitable for drag chain use.