

## PVC 2x4mm<sup>2</sup>,3kV, shielded

### High voltage cable for connection of uv lamps

This shielded 2-pole high voltage cable is used for the connection of uv lamps. It is recommended for connection between electronic power supplies (EPS) and uv lamps for keeping the EMC rules.



Technical data	
Art. No.	022 52204 0000
Conductor	Cu, tin plated, single core $\varnothing$ 0.3 mm, acc. to DIN VDE 0295, class 5
Dielectric strength	3,000 V (RMS)
Insulation test voltage	conductor/conductor: 7,500 V conductor/shield: 6,000 V breakdown voltage: 10 kV
Resistance of a single conductor	max. 4.95 $\Omega$ /km
Cross section	2 x 4.0 mm <sup>2</sup>
Conductor construction	shield: Braid of tinned copper wire $\varnothing$ 0,2 mm each opt. coverage approx. 85%
Insulation	Outside: PVC TM2 acc. to DIN EN 50525-1 DE 0285-525-1, yellow, RAL 1021 Inner conductors: Polyethylene acc. to DIN EN 50290-2-23 VDE 0819-103, red The product is free of silicone.
Color	Yellow, RAL 1021
Outer diameter	16 $\pm$ 0,7 mm
Bending radius	15x cable diameter, R = 240mm This cable is not suitable for drag chains.
Leakage resistance	min. 100 M $\Omega$ / km
Temperature stability	moving -5° to +70° C fixed -30° to +70° C
Ozone and uv-stability	no stability, medium-term an embrittlement of the insulation and a corrosion of the wires are expected. If inserted e.g. into a lamp head, where ozone or UV radiation could occur, the insulation must be covered by suitable means, e.g. silicone covered glass fiber tubes.
RoHS conform	yes
Delivery	cut on request $\geq$ 5 m in 100 m rings from 1.000 m on cable drum on request
Delivery time	usually from stock 1,000 m cable drums on request