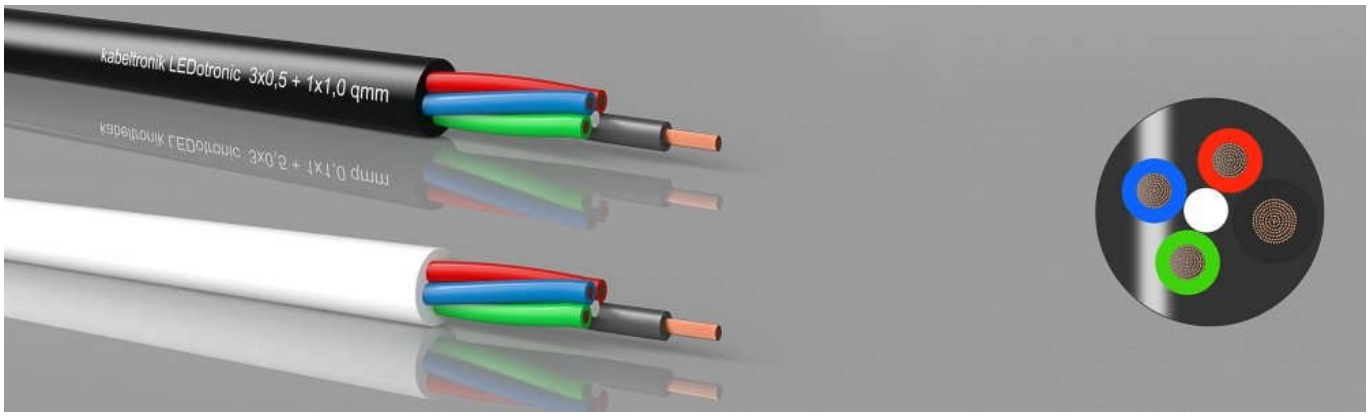
kabeltronik®

quality at the highest level



✓ installation ✓ mobile ✓ RoHS ✓ REACH ✓ CE

LEDotronic 3/1, RGB 3x0,5+1x1,0 qmm

high flexible
Order-No. 423051109

Application / Description

High flexible LED-supply line with four cores RGB in the corresponding colours and a common return with a cross section of 1,0qmm in colour black. The colour code will be simplifiy the installation.

Variant data

O.D.	approx. 5,10 mm
weight	45,0 kg/km
Cu-weigth	24,3 kg/km

Construction / RGB

Conductor	finest bare stranded copper wire
Structure of conductor	128 x 0,07 mm
Cross section	0,50 qmm
Core-Ø	approx. 1,60 mm
number of cores	3
Core insulation	PVC acc. to VDE 0207
Colour sequence	rd, gn, bu

Construction / common return

Conductor	finest, bare stranded copper wire
Structure of conductor	259 x 0,07 mm
Cross section	1,00 qmm
Core-Ø	approx. 2,10 mm
Core insulation	PVC acc. to VDE 0207
Colour sequence	black

Construction

Twisting	cores in layers around filler
Outer jacket	PVC acc. to VDE 0207
Outer jacket colour	black sim. RAL 9005
Imprint	with imprint
Dimension	3x0,5+1x1,0 qmm

Technical characteristics

Temperature range	static: -20 °C to +70 °C dynamic: -10 °C to +70 °C
Bending radius static	> 8 x O.D.
Bending radius dynamic	> 12 x O.D.
Operating voltage	500 V

Testing voltage	2.500 V
Insulation resistance	> 20 MOhm x km at + 20°C

Packaging

Spools at 100m, Reels
Lower and upper lengths according to availability. Special packaging on request.

Colours

black with imprint

Technische Änderungen und Irrtümer vorbehalten. Die Eignung für einen konkreten Verwendungszweck muss vom Kunden geprüft werden. Achtung: Gefahr eines elektrischen Schlages, Produkt darf nur von Fachpersonal verarbeitet werden!

Technical changes and errors reserved. The suitability for a specific purpose must be checked by the customer. Warning: Risk of electric shock, the product may only be handled by qualified personnel

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