

# INDUSTRIAL ETHERNET CABLE CAT. 5

## PROFINET 679 flexible application, type B



ELETTROTEK KABEL® PROFINET 679 UL



### Construction:

<b>Conductor:</b>	flexible tinned copper conductor, fine wires, acc. to VDE 0812
<b>Insulation:</b>	PE type L/MD acc. to DIN VDE 0819 part 103
<b>Colour cores:</b>	white/blue, white/orange, white/green, white/brown
<b>Stranding:</b>	cores twisted in pairs
<b>Screen:</b>	aluminium tape + PETP foil and tinned copper braid
<b>Wrapping:</b>	non-woven tape
<b>Outer sheath:</b>	green (similar RAL 6018), PUR compound

### Resistance:



**Halogen-free acc.to:**  
DIN VDE 0472, part 815 + IEC 60754-1)



**Oil resistance acc.to:**  
TMPU acc. to DIN VDE 0473, part 811-2-1 IEC 60811-2-1

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Test voltage:</b>	core/core 1,5 kV core/screen 1,2 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	-40 up to +70°C
<i>Flexible installation:</i>	-40 up to +70°C
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d
<b>Characteristic impedance:</b>	100Ω ± 5Ω, acc. to EN 50288-2-2 CAT 5e acc. to EN 50173-1)
<b>Ohmic resistance at 20°C max.Ω/km:</b>	148, acc. to VDE 0812

### Features:

RoHS and CE approval



Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. (*)
39310CEX042M01	4 x 2 x 0,14	7,3	35	58	26