

INDUSTRIAL ETHERNET CABLE

PROFINET 679 flexible application, type B



ELETTROTEK KABEL® PROFINET 679 UL



Construction:

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

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

Features:

RoHS and CE approval



Part no.	No. of cores x cross section n x mm ²	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