

INDUSTRIAL ETHERNET CABLE

SPECIAL PROFINET 668 continuously flexible, type C
SPECIAL PROFINET 669 continuously flexible, type C, UL approval



ELETTROTEK KABEL® SPECIAL PROFIBUS 668



Construction:

Conductor:	flexible tinned copper conductors extra fine wires
Insulation:	special PE compound
Colour cores:	blue, yellow, white, orange
Stranding:	in layers
Wrapping:	PETP foil
Inner sheath:	thermoplastic compound
Screen:	aluminium tape 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:
DIN VDE 0282 part 10 + HD 22.10



UV resistance acc.to (PROFINET 668):
UL1581 §1200 Std.

Technical data:

Peak operating voltage:	max. 350 V	
UL Voltage:	(PROFINET 669): 300 V	
Test voltage:	core/core 1,5 kV core/screen 1,2 kV	
Temperature range (PROFINET 668)		
<i>Fixed laying:</i>	- 40 up to +70°C	
<i>Flexible application:</i>	- 30 up to +70°C	
Temperature range (PROFINET 669) UL:	up to +80°C	
<i>Fixed laying:</i>	- 30 up to +70°C	
<i>Flexible application:</i>	- 20 up to +70°C	
Min. bending radius:		
<i>Fixed laying:</i>	5 x d	
<i>Flexible installation:</i>	10 x d	
<i>Continuously flexible:</i>	15 x d	
Characteristic impedance:	100Ω ± 5Ω, acc. to EN 50288-2-2 (CAT 5 acc. to EN 50173-1)	

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. *)
39270CEX022M03	2x2x0,34	6,4	36,7	58	22
39280CEX022A22	2x2x0,34	6,9	36,7	69	22