

INDUSTRIAL ETHERNET CABLE

SPECIAL PROFINET 681 continuously flexible, type C
SPECIAL PROFINET 682 continuously flexible, type C, UL approval



ELETTROTEK KABEL® SPECIAL PROFINET 681



Construction:

Conductor: flexible tinned copper conductors
extra fine wires

Insulation: halogen free compound

Colour cores: white/blue, white/orange, white/green,
white/brown

Stranding: cores twisted in pairs

Wrapping: non-woven tape

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

Technical data:

Peak operating voltage: max. 350 V

Test voltage: core/core 1,5 kV
core/screen 1,2 kV

Temperature range

Fixed laying: - 40 up to +90°C

Flexible application: - 30 up to +90°C

Min. bending radius:

Fixed laying: 5 x d

Flexible installation: 10 x d

Continuously flexible: 12 x d

**Max speed
(main application):** 250 m/min

Characteristic impedance: 100Ω ± 5Ω, acc. to EN 50288-2-2
(CAT 5 acc. to EN 50173-1)

Features:

AWM 10493-20233 300V/80°C CE
(SPECIAL PROFINET 682)

for SPEED see pages from 2 to 4 of catalogue

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. (*)
39320CEX042M01	4x2x0,14	7,2	35,5	58	26
39330CEX042A26	4x2x0,14	7,3	35,5	60	26