

INDUSTRIAL ETHERNET CABLE CAT. 5

PROFINET 660 flexible application, type B
PROFINET 661 flexible application, type B UL approval



ELETTROTEK KABEL® PROFINET 660



Construction:

Conductor:	flexible red copper conductor, fine wires acc. to DIN VDE 0812
Insulation:	PE type LMD acc. to DIN VDE 0819 part 103
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) halogen free compound

Resistance:



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

Technical data:

Peak operating voltage:	max. 350 V
UL Voltage:	(PROFINET 661): 300 V
Test voltage:	core/core 1,5 kV core/screen 1,2 kV
Temperature range	(PROFINET 661) UL: up to +75°C
<i>Fixed laying:</i>	-40 up to +70°C
<i>Flexible application:</i>	-30 up to +70°C
Temperature range	(PROFINET 660):
<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>	12 x d
Characteristic impedance:	100Ω ± 5Ω, acc. to EN 50288-2-2 (CAT 5e acc. to EN 50173-1)
Ohmic resistance at 20°C max.Ω/km:	58, 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. *)
39230CEX022M03	2 x 2 x 0,34	6,6	36,2	67	22
39240CEX022A22	2 x 2 x 0,34	6,6	36,2	70	22