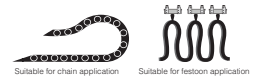


PROFIBUS DP CABLES

SPECIAL PROFIBUS 634 UL, UL approval, for cable tracks



ELETTROTEK KABEL® SPECIAL PROFIBUS 634 UL



Construction:

Conductor:	0,34 mm²: flexible red copper conductor, 19x0,16 mm - 22/19 AWG acc. to DIN VDE 0812 0,75 mm²: flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 42x0,15 mm - AWG 19/42
Insulation:	0,34 mm²: special PE compound 0,75 mm²: special PP compound
Colour cores:	0,34 mm²: red, green 0,75 mm²: brown, light blue and green-yellow
Stranding:	0,34 mm²: in pair + PE fillers 0,75 mm²: In layers + fillers
Wrapping:	0,34 mm²: non-woven tape
Screen:	0,34 mm²: aluminium tape + PETP foil and tinned copper braid or tinned copper braid + aluminized non-woven tape
Overall stranding 2x0,34+3x0,75 mm²:	power cores in layer around profibus unit + (fillers if necessary)
Overall wrapping 2x0,34+3x0,75 mm²:	non-woven tape
Outer sheath:	violet (RAL 4001 or 4005), PUR compound

Technical data:

Peak operating voltage:	max. 350 V
Voltage UL	300 V
Test voltage:	1,5 kV
Temperature range	- 40°C up to + 80°C
Min. bending radius:	
<i>Fixed laying:</i>	10 x d
<i>Flexible installation:</i>	15 x d
Max speed (main application):	250 m/min

Resistance:

	Self-extinguishing and flame retardant acc.to: UL 1581 1061, IEC 60332-1-2 EN 60332-1-2
	Oil resistance acc. to: IEC 60811-2-1 ICEA S-82-552 and ASTM oil 1
	Halogen-free acc. to: IEC 60754-1 EN 50267-2-1
	Corrosiveness of conflagration gases: in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 no development of corrosive conflagration gases
	UV resistance acc.to: UL1581 §1200 Std.

Features:

AWM style 10493 - 20233 80°C 300 V

Profibus Dp Type A

for SPEED and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

RoHS and CE approval



Electrical and Transmission proprieties at 20°C PROFIBUS UL

Profinet bus

Max. DC cond. resistance	59,4 Ω x km
Max. capacitance at 800 Hz	30 nF/km
Impedance at 800 1-20 MHz	150 Ω (± 10%)
Max. attenuation at 9,6 kHz	4,2 dB/km
Max. attenuation at 38,4 kHz	5,2 dB/km
Max. attenuation at 4 MHz	2,3 dB/km
Max. attenuation at 16 MHz	44,0 dB/km

Dielectric strenght (cond/cond/ shield) 1,5 kVac/1 min.

Min. insulation resistance 5,0 Ω x km

Transfer impedance at 10 MHz 20 mΩ/m

Power conductors

Max. DC cond. resistance	26,0 Ω x km
Dielectric strenght (cond/cond)	2,5 kVac/10 min.
Min. Insulation resistance	5,0 Ω x km

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. (*)
39180CVB020M03	2 x 0,34	8	30,9	74	22
39180CV403BM07	2 x 0,34+3 x 0,75	10,4	45	90	22/19