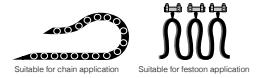


PROFIBUS DP CABLES

SPECIAL PROFINET-BUS UL/CSA, UL/CSA approval, for cable tracks



ELETTROTEK KABEL® SPECIAL PROFINET-BUS UL/CSA



Construction:

Conductor:	flexible red copper conductor, extra fine wires
Insulation:	special PE compound,
Colour cores:	red, green
Stranding:	in pair + PE fillers
Wrapping:	non-woven tape
Screen:	aluminium tape + PETP foil and tinned copper braid
Outer sheath:	violet (RAL 4001 or 4005), PUR compound

Technical data:

Peak operating voltage:	max. 350 V
UL voltage	300 V
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. installation pulling:	100 N
Max speed (main application):	250 m/min

Electrical and Transmission proprieties at 20°C

Max. DC loop cond. resistance	145 Ω/km
Max. DC conductor resistance	72,5 Ω/km
DC screen resistance	11 Ω/km
Max. attenuation at 9,6 kHz	0,3 dB/1000m
Max. attenuation at 38,4 kHz	0,5 dB/100m
Max. attenuation at 4 MHz	2,5 dB/100m
Max. attenuation at 16 MHz	4,9 dB/100m
Dielectric strenght (cond/cond/screen)	1,5 kV/1 min.
Min. insulation resistance	5,0 GΩ x km
Max. transfer impedance at 10 MHz	20 Ω/km
Capacitance at 800 Hz	1500 pF/km
Max. capacitance at 800 Hz	1500 pF/km
Impedance ≥ 1 MHz	150 Ω ± 10%

Resistance:



Fire performance acc. to:
IEC 60332-1



Halogen free acc. to:
IEC 60754-1 and EN 50267-2-1



Oil resistance acc. to:
IEC 60811-2-1 and ASTM oil 1



Mud resistant acc. to:
NEK 606



Ozone resistant acc. to:
acc. to VDE 0472 part. 1



Microbe resistant acc. to:
VDE 0282/10

Features:

AWM style 20233 80°C 300 V AWM I/II A/B FT 1

for SPEED and MINIMUM BENDING RADIUS
see pages from 2 to 8 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. *)
39200CVB012A24	1x2x0,25	7,9	-	65	24