

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:	
FIXED LAYING:	10 x D
FLEXIBLE INSTALLATION:	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 5-82-552 AND ASTM OIL 1
	HALOGEN-FREE ACC. TO: IEC 60754-1 EN 50267-2-1
	CORROSIVENESS OF CONFLAGRATION GASES ACC. TO: 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 1 TO 4 OF CATALOGUE

ROHS AND CE APPROVAL



Electrical and Transmission proprieties at 20°C PROFIBUS UL

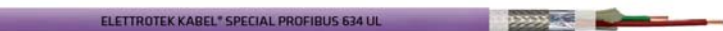
Profinet bus

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 STRENGTH (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 STRENGTH (COND/COND)	2,5 kVAC/10 min.
MIN. INSULATION RESISTANCE	5,0 Ω x km

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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

Other dimension and colours available on request.