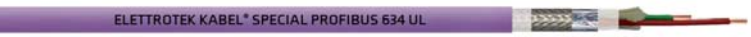
SPECIAL PROFIBUS 634 UL, UL approval, for cable tracks



SUITABLE FOR CHAIN APPLICATION

Construction:

CONDUCTOR:	**0,34 mm²:** FLEXIBLE RED COPPER CONDUCTOR, 19 x 0,16 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 42 x 0,15 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:	NON-WOVEN TAPE
OUTER SHEATH:	VIOLET (RAL 4001 OR 4005), PUR COMPOUND

Technical data:

VOLTAGE UL:	300 V
TEST VOLTAGE:	2 kV
TEMPERATURE RANGE:	**UL:** UP TO + 80°C
FIXED LAYING:	- 40°C UP TO + 70°C
FLEXIBLE INSTALLATION:	- 20°C UP TO + 60°C
MIN. BENDING RADIUS:	
FIXED LAYING:	6 x D
FLEXIBLE INSTALLATION:	12 x D
MAX SPEED (MAIN APPLICATION):	180 mt/min

Resistance:

SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
UL1581 §1090, §1100 (FT2)
IEC 60332-1-2

OIL RESISTANCE ACC. TO:
IEC 60811-2-1
ASTM OIL 1

HALOGEN-FREE ACC. TO:
IEC 60754-1

UV RESISTANCE ACC. TO:
UL1581 §1200 STD.

Features:

AWM STYLE 10493 - 20233 80°C 300 V

or c AWM STYLE 10578 - 20978 80°C 300 V

MUD, OZONE, MICROBE RESISTANT

GOOD HYDROCARBONS RESISTANT

PROFIBUS DP TYPE A

FOR SPEED AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 2 OF CATALOGUE

ROHS AND CE APPROVAL

Electrical and Trasmission 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 Max. ATTENUATION at 38,4 KHz Max. ATTENUATION at 200 KHz Max. ATTENUATION at 4 MHz Max. ATTENUATION at 16 MHz Max. ATTENUATION at 20 MHz	3 dB/km 5 dB/km 6 dB/Km 2,3 dB/km 44 dB/km 49 dB/km
DIELECTRIC STRENGHT (COND/COND/ SHIELD)	1,5 kV AC x 1 min.
Min. INSULATION RESISTANCE	5 GΩ x km
TRANSFER IMPEDANCE at 10 MHz	20 MΩ/m

Power conductors

Max. DC COND. RESISTANCE	26 Ω x km
DIELECTRIC STRENGHT (COND/COND)	2,5 kV AC x 10 min
Min. INSULATION RESISTANCE	5 GΩ x km

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Part no.	No.of cores x cross section n x mm²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
39180CVB020M03	2 x 0,34	8,1	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.