

PROFIBUS DP CABLES

PROFIBUS 630 PROFIBUS 631 PE halogen-free



ELETTROTEK KABEL® PROFIBUS 630

Construction:

Conductor:	solid red copper conductor 1x0,34 mm ² - 22AWG
Insulation:	special PE compound acc. to DIN VDE 0819 part 103
Colour cores:	red, green
Stranding:	in layers
Screen:	aluminium tape and tinned copper braid
Outer sheath:	(PROFIBUS 630): violet (RAL 4001 or 4005), PVC type TM1 acc. to DIN VDE 0281 part 1 (PROFIBUS 631 PE): violet (RAL 4001 or 4005), PE type 2YM1 acc.to DIN VDE 0207 part 3

Resistance:



Self-extinguishing and flame retardant acc.to:
IEC 60332-1-2
EN 60332-1-2
(PROFIBUS 630)



Oil resistance acc. to:
DIN VDE 0473 part.811-2-1
IEC EN 60811-2-1
(PROFIBUS 630)



Halogen-free acc. to:
DIN VDE 0472 part 815 + IEC60754-1
(PROFIBUS 631 PE)



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

Technical data:

Peak operating voltage:	max. 350 V
Test voltage:	1,5 kV
Temperature range	(PROFIBUS 630):
<i>Fixed laying:</i>	-30°C up to +70°C
<i>Flexible installation:</i>	-5°C up to +70°C
Temperature range	(PROFIBUS 631 PE):
<i>Fixed laying:</i>	-40°C up to +70°C
<i>Flexible installation:</i>	-40°C up to +70°C
Min. bending radius:	12 x d
Radiation resistance:	(PROFIBUS 630): 8 x 10 ⁷ cJ/kg (PROFIBUS 631 PE): 7 x 10 ⁶ cJ/kg
Characteristic impedance 3-20 MHz:	150 Ω ± 10%

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.)*
39070CVB020M03	2 x 0,34	7,1	23,8	49	22
39100CVB020M03	2 x 0,34	7,1	23,8	44	22