

PROFIBUS DP CABLES

PROFIBUS 630 halogen-free
PROFIBUS 630 FRNC halogen-free



ELETTROTEK KABEL® PROFIBUS 630 FRNC

Construction:

Conductor: stranded red copper conductor acc. to DIN VDE 0812

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), halogen free compound
(PROFIBUS 630 FRNC): violet (RAL 4001 or 4005), halogen free compound

Resistance:



no flame propagation acc.to:
IEC 60332-3C + EN 60332-3C
flame retardant and self-extinguishing acc.to:
IEC 60332-1-2 and EN 60332-1-2
(PROFIBUS 630 FRNC)



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



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):
Fixed laying: -40/+80°C
Flexible installation: -40/+80°C

Temperature range (PROFIBUS 630 FRNC):
Fixed laying: -40/+80°C
Flexible installation: -30/+80°C

Min. bending radius: 12 x d

Radiation resistance (PROFIBUS 630): 5 x 10⁸ 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.)*
39080CVB020M03	2 x 0,34	7,5	30,4	50	22
39090CVB020M03	2 x 0,34	7,5	30,4	62	22