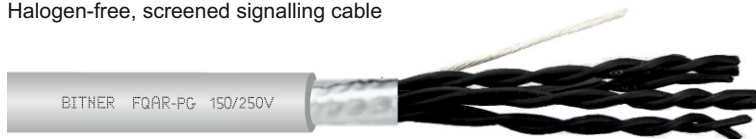


FQAR-PG

Halogen-free, screened signalling cable



internal application



EN 60332-1-2



halogen-free
EN 60754



low smoke emission
EN 61034



RoHS 2015/863/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty

Technical data:

Thermal parameters:

Temperature range:

operating temperature: -40 °C to 70 °C
installation temperature: -20 °C to 70 °C

Electrical parameters:

Conductor resistance (max.):

for 0,5 mm² 40,4 Ω/km
for 1,0 mm² 20,2 Ω/km

Insulation resistance (min.):

2 GΩ x km

Test voltage:

1.4 kV AC 1min.

Crosstalk attenuation at 1 kHz (min.):

100 dB

Near-end crosstalk NEXT at 100kHz (min.):

60 dB

Transfer impedance

at 10 kHz (max.): 100 mΩ/m

at 10 MHz (max.): 1000 mΩ/m

Mechanical parameters:

Min. bending radius:

fixed installation: 12 x Ø

Design:

Conductors:

0,5 mm²: tinned copper, stranded, IEC 60228, class 2
(7 x 0.30 mm)

1,0 mm²: tinned copper, stranded, IEC 60228, class 2
(7 x 0.43 mm)

Insulation:

halogen free polyolefin

Core identification:

black with printed numbers

Core arrangement:

cores twisted together to form a pairs, pairs shall be laid

up in concentric layers to form a round cable

aluminium backed polyester tape with tinned copper drain

wire

Screen:

Outer sheath:

special halogen-free thermoplastic compound, flame
retardant acc. IEC 60332-1-2; colour: light grey

Application:

Halogen-free flame retardant signalling cables used for fixed installation indoors and outdoors for control and signalling functions in power electrical applications. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
TP1080	2x0,5	6,4	50
TP1081	2x2x0,5	7,2	70
TP1082	4x2x0,5	10,5	115
TP1083	2x1	7,2	66
TP1084	2x2x1	8,1	98
TP1085	4x2x1	12,3	174

*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice

Note: On customer's request other cross sections or number of cores can be produced