

BO-PROFINET CAT 5e FLEX PVC

PROFINET cables for fixed and flexible installation

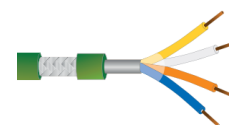


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Conductor:	Bare copper complying with CEI EN 60228
Insulation: Colour Code:	Solide PE white, yellow, blue, orange
Inner Sheath:	TPE Compound
Screen:	Aluminium/polyester tape with tinned copper wire braid having coverage 85%.
Outer Sheath:	PVC class 43 according to UL1581 and C22.2 n°210. Colour green RAL 6018
Technical Data & Standard References	Product features: Flame retardant: Horizontal flame test per UL758, FT2 test acc. to CSA C.22.2 n°210 Halogen gas emission: ≤ 18% IEC 60754, CEI EN 50267-2 Industrial oil resistance: IEC 60811-404, IEC CEI EN 60811-404 Water resistance: IEC 60811-402, IEC CEI EN 60811-402
	Norm references / Approvals: Reference Standards: IEC 61156 EN 50288 DESINA Approved UL/CSA Approved: AWM Style 20601 300V/80°C.
Electrical & Mechanical Data	Operating temperature: Fixed application -30 to 80 °C Dynamic installation -5 to 70 °C Minimum bending radius: Fixed application 8 x D Flexible installation 10 x D (only flexible cond) Electrical and transmission properties at 20°C Max operating voltage: 300 V Test voltage: 1500 V Max DC conductor resistance: 55,4 Ω/km (AWG22 bare copper) Capacitance core/core (nom): 52 pF/m at 800 Hz Characteristic impedance: 100 Ω (±15%) 1 to 100 MHz

Propagation velocity / approx): 67%

Min. insulation resistance:

5,0 GΩ x km

Application:

The PROFINET cable, Fast Connect type, for fixed installation uses Ethernet standards and TCP, UDP protocols for communication, configuration, and network control. The cable meets the transmission requirements of Cat. 5E

Botec P/N	assembly	outer diameter [mm ± 10%]	Cu mass [Kg/km]	cable mass [Kg/km]
	1x4xAWG22/1	6,5	33	74
	1x4xAWG22/7	6,5	33	74