

BO-ETHERNET CAT 6 HIGH-FLEX PUR

ETHERNET cat.6 cables for dynamic installation

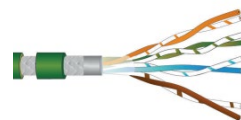


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Conductor:	Stranded bare copper complying with CEI EN 60228
Insulation: Colour Code:	Foam skin PE white/blue - blue, white/orange - orange, white/green - green, white/brown - brown
Inner Sheath:	LSZH compound (only AWG23 type)
Screen:	Aluminium/polyester tape with tinned copper wire braid having coverage 85%.
Outer Sheath:	PUR according to UL1581 and C22.2 n°210. Colour green RAL6018
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: ≤ 0,5% IEC 60754, CEI EN 50267-2 Industrial oil resistance: EN 50363-10-2 U.V. resistance: Yes Water resistance: EN 50363-10-2
	Norm references / Approvals: Reference Standards: IEC 61156 EN 50288 DESINA Approved UL/CSA Approved: AWM Style 20978 300V/80°C.
Electrical & Mechanical Data	Operating temperature: Fixed application -40 to 80 °C Dynamic installation -30 to 70 °C Minimum bending radius: Fixed application 6 x D Dynamic appl. into chain 8 x D Max traslation speed: 5,0 m/sec (subject to correct installation) Max acceleration: 5,0 m/s² Type B8142M Torsion use: Not recommended Electrical and transmission properties at 20°C Max operating voltage: 300 V Test voltage: 1500 V Max DC conductor resistance: 140 Ω/km (AWG26)

69,2 Ω /km (AWG23)
Capacitance core/core (nom):
 50 pF/m at 800 Hz
Characteristic impedance:
 100 Ω ($\pm 15\%$) 1 ÷ 100 MHz
 100 Ω ($\pm 20\%$) 1 ÷ 250 MHz
Min. insulation resistance:
 5,0 G Ω x km

Application:

The ETHERNET Cat.6 SF/UTP (250 MHz) cables comply with the EN 50288-5-2/-1 standard, meeting the requirements for GIGABIT ETHERNET, enabling data flow of up to 1000 Mbit/s. Detailed specifications are available upon request.

Botec P/N	assembly	outer diameter [mm $\pm$ 10%]	Cu mass [Kg/km]	cable mass [Kg/km]
	4x2xAWG26/19	7,2	31	64
	4x2xAWG23/19	8,7	49	82