

GENERAL SPECIFICATIONS FOR CABLES

	Specifications						
	Product Number	Gauge	Number of Conductors	Capacitance (pfarads / ft)	Voltage	Nominal Diameter in(mm)	Nominal Weight (kg/km)
Cable FAT	1750	18	2	37	300	0,210(5,33)	32.9
	1752	18	3	37	300	0,223(5,66)	46.3
	1754	18	4	37	300	0,243(6,17)	57.7
	1758	18	6	37	300	0,286(7,26)	81.8
	1760	18	8	37	300	0,309(7,85)	103.4
	1762	18	10	37	300	0,355(9,02)	127.1
Cable AT-HOM	8200	18	2	31	600	0,187 (4,75)	31
	8201	18	3	31	600	0,198 (5,03)	42
	8210	18	2	49	600	0,189 (4,80)	36
	8211	18	3	40	600	0,203 (5,13)	47
	8212	18	4	35	600	0,285 (7,24)	65
	PL-LCN	22	2	13	600	0,128 (3,20)	14.71
	PL-MBN	24	2	12.5	150	0.180(4.57)	21.475
	PL-LINKXX	Network cable for sensors and Prolon Digital Interface PL-TDIP (RJ-45 connector)					

CONNECTION DIMENSIONS

Universal and digital inputs as well as analog outputs can use cables with an 18, 20, 22 or 24 gauge. Certain additional specifications for these cables are added in the chart below.

Gauge AWG (mm)	Maximum Distance Ft (m)
18 (1,02)	300 (91)
20 (0,81)	200 (61)
22 (0,65)	125 (38)
24 (0,51)	75 (23)

PL-LCN SPECIFICATIONS

**AT-HOM, Building Automation Network Cable, 22 AWG, 1 non-shielded pair, FT4
(Echelon)**

General	
Type	Building Automation
Model No.	PL-LCN
Conductor	
Material	Copper
Gauge	22 AWG
Strand	7 x 0,010"
Cable layout	6.00 T.P.F.
Configuration	Pair
Color Code	White/Blue-Blue
Insulation	
Insulation Material	Polyethylene
Insulation Temperature	60°C
Insulation Thickness	0,009"
Voltage	300V
Wire Covering	
Material	PVC
Thickness	0,030"
Color Code	Orange
Flame Type	FT4
Exterior Diameter	0,128"
Options	
CSA Approval	CMG/CM/FT4
U.L. Approval	Yes, 60°C
Quality Insurance	ISO 9002
Characteristics	
Exterior Diameter (Nom.)	0,128"
Weight	14,71 Kg/Km
Capacitance (Cond./Cond.)	13 pFarads/ft
Conductor Resistance at 20°C	14,8 ohms / 1000 ft

Maximum Attenuation per 100 meters	
Mhz	db
0.772	2.3
1	2.6
4	5.2
8	7.4
10	8.3
16	10.7
20	12

PL-MBN SPECIFICATIONS

AT-HOM, Building Automation Network Cable, 24 AWG, 1 shielded pair, Low Capacitance FT4 (ModBus/BACnet)

General	
Type	Building Automation
Model No.	PL-MBN
Conductor	
Material	Tinned Copper
Gauge	24 AWG
Strand	7 x 0,008"
Cable layout	9.00 T.P.F.
Configuration	Pair
Color Code	White/Blue-Blue
Insulation	
Insulation Material	Polyolefin
Insulation Temperature	80°C
Insulation Thickness	0,010"
Voltage	150V
Shield	
Type	Foil
Material	Aluminum/mylar
Thickness	0.001"
Apply to	Pair
Drain Wire	
Material	Tinned Copper
Gauge	24 AWG
Construction	7 x 32AWG
Inner Jacket	
Material	PVC
Thickness	0,030"
Color Code	Orange
Flame Type	FT4
Exterior Diameter	0,180"
Options	
CSA Approval	CMG/FT4
U.L. Approval	AWM Style 2919
Quality Insurance	ISO 9002
Characteristics	
Exterior Diameter (Nom.)	0,180"
Weight	21.475 Kg/Km
Capacitance (Cond./Cond.)	12.5 pFarads/ft
Conductor Resistance at 20°C	25,7 ohms/1000ft

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