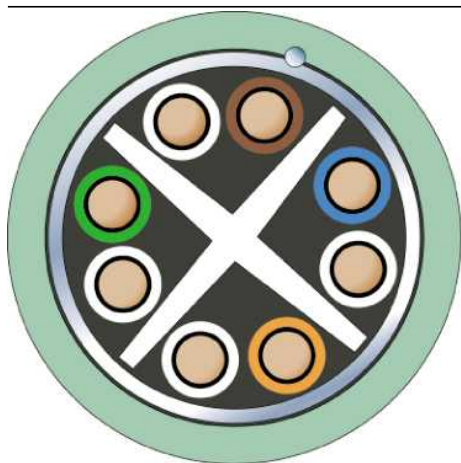


VDIC13X218

LexCom/Infraplus CL-C6A Cable LAN F/UTP
4P Cat6_A 500MHz LSZH 500m



Main

Range	Lexcom/Infraplus
Product	Network cable
Type of cable	4 twisted-pairs cable
Cable shielding type	F/UTP
Communication network category	6 _A
Supported applications	1000BASE-T
Protocol	PoE+ (Power over Ethernet) VoIP (Voice IP)
Cable colour	Green
Material	Jacket: LSZH (low smoke zero halogen) Conductor: solid bare copper Wire insulation: PE (polyethylene)

Complementary

Return loss	23 dB @4 MHz 25 dB @10 MHz 25 dB @16 MHz 25 dB @20 MHz 23.6 dB @31.25 MHz 21.5 dB @62.5 MHz 20.1 dB @100 MHz 19.4 dB @125 MHz 18 dB @200 MHz 17.3 dB @250 MHz 17.3 dB @300 MHz 17.3 dB @400 MHz 17.3 dB @500 MHz
Attenuation	3.8 dB @4 MHz 5.9 dB @10 MHz 7.5 dB @16 MHz 8.4 dB @20 MHz 10.5 dB @31.25 MHz 15 dB @62.5 MHz 19.1 dB @100 MHz 21.5 dB @125 MHz 27.6 dB @200 MHz 31.1 dB @250 MHz 34.3 dB @300 MHz 40.1 dB @400 MHz 45.3 dB @500 MHz
Near end crosstalk	66.3 dB @4 MHz 60.3 dB @10 MHz 57.2 dB @16 MHz 55.8 dB @20 MHz 52.9 dB @31.25 MHz 48.4 dB @62.5 MHz 45.3 dB @100 MHz 43.8 dB @125 MHz 40.8 dB @200 MHz 39.3 dB @250 MHz 38.1 dB @300 MHz 36.3 dB @400 MHz 34.8 dB @500 MHz
Power Sum Near End Crosstalk (PS NEXT)	63.3 dB @4 MHz 57.3 dB @10 MHz 54.2 dB @16 MHz 52.8 dB @20 MHz 49.9 dB @31.25 MHz 45.4 dB @62.5 MHz 42.3 dB @100 MHz 40.8 dB @125 MHz 37.8 dB @200 MHz 36.3 dB @250 MHz 35.1 dB @300 MHz 33.3 dB @400 MHz 31.8 dB @500 MHz
Attenuation Crosstalk Ratio Far-end (ACR-F)	18.5 dB @300 MHz 16 dB @400 MHz 14 dB @500 MHz
Power Sum Alien Crosstalk Ratio Far-end (PS ACR-F)	15.5 dB @300 MHz 13 dB @400 MHz 11 dB @500 MHz
Power Sum Attenuation to Alien Crosstalk Far-end (PS AACR-F)	66.2 dB @4 MHz 58.2 dB @10 MHz 54.1 dB @16 MHz 52.2 dB @20 MHz 48.3 dB @31.25 MHz 42.3 dB @62.5 MHz 38.2 dB @100 MHz 36.3 dB @125 MHz 32.2 dB @200 MHz 30.2 dB @250 MHz 28.7 dB @300 MHz 26.2 dB @400 MHz 24.2 dB @500 MHz

Power Sum Alien Near End Crosstalk (PS ANEXT)	67 dB @4 MHz 67 dB @10 MHz 67 dB @16 MHz 67 dB @20 MHz 67 dB @31.25 MHz 65.6 dB @62.5 MHz 62.5 dB @100 MHz 61 dB @125 MHz 58 dB @200 MHz 56.5 dB @250 MHz 55.3 dB @300 MHz 53.5 dB @400 MHz 52 dB @500 MHz
Input impedance	100 Ohm @1...500 MHz
Delay skew	<= 45 ns @1...500 MHz
Resistance unbalance	<= 2 %
TCL	>= 40 - 10 x log(f) dB from 1...250 MHz (IEC 61156-5 Ed2)
Coupling attenuation	>= 55 dB from 30...100 MHz (IEC 61156-5 Ed2, type II) >= 55 - 20 x log ₁₀ (f / 100) dB from 100...1000 MHz (IEC 61156-5 Ed2, type II)
NVP	70 %
Pulling force	<= 392 N
Calorific value	757 MJ/km
AWG	23
Bending radius	Minimum bending radius after installation: 4 x overall diameter Minimum bending radius during installation: 8 x overall diameter
Cable outer diameter	<= 7.7 mm
Cable packaging	Drum of 500 m
Cable weight	59 kg/km

Environment

Ambient air temperature for installation	0...50 °C
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-20...60 °C
Temperature resistance	60 °C
Standards	Performance: ISO/IEC 11801 amd2:2010 Performance: ISO/IEC 11801 Ed2.1 Performance: IEC 61156-5 Ed2 Performance: EN 50173-1 Performance: EN 50174-1 Performance: ANSI/TIA/EIA-568-C.2 Flame propagation characteristics: IEC 60332-1 Halogen gas evolution: IEC 60754-1 Acidity of combustion gases: IEC 60754-2 Smoke generation: IEC 61034 Installation standards: ISO/IEC 14763-2 Performance: prEN 50288-10-1:2010