



Main

Range	Lexcom/Infraplus
Product	Network cable
Type of cable	2x4 twisted-pairs cable
Cable shielding type	F/FTP
Communication network category	7A
Cable colour	Blue
Material	Jacket: LSZH (low smoke zero halogen) Conductor: solid bare copper Wire insulation: PE (polyethylene)

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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 17.3 dB @600 MHz 15.1 dB @1000 MHz
Attenuation	3.7 dB @4 MHz 5.8 dB @10 MHz 7.3 dB @16 MHz 8.2 dB @20 MHz 10.3 dB @31.25 MHz 14.6 dB @62.5 MHz 18.5 dB @100 MHz 20.8 dB @125 MHz 26.5 dB @200 MHz 29.7 dB @250 MHz 32.7 dB @300 MHz 38 dB @400 MHz 42.8 dB @500 MHz 47.1 dB @600 MHz 61.9 dB @1000 MHz
Near end crosstalk	78 dB @4 MHz 78 dB @10 MHz 78 dB @16 MHz 78 dB @20 MHz 78 dB @31.25 MHz 78 dB @62.5 MHz 75.4 dB @100 MHz 73.9 dB @125 MHz 70.9 dB @200 MHz 69.4 dB @250 MHz 68.2 dB @300 MHz 66.4 dB @400 MHz 64.9 dB @500 MHz 63.7 dB @600 MHz 60.4 dB @1000 MHz
Power Sum Near End Crosstalk (PS NEXT)	75 dB @4 MHz 75 dB @10 MHz 75 dB @16 MHz 75 dB @20 MHz 75 dB @31.25 MHz 75 dB @62.5 MHz 72.4 dB @100 MHz 70.9 dB @125 MHz 67.9 dB @200 MHz 66.4 dB @250 MHz 65.2 dB @300 MHz 63.4 dB @400 MHz 61.9 dB @500 MHz 60.7 dB @600 MHz 57.4 dB @1000 MHz
Attenuation Crosstalk Ratio Far-end (ACR-F)	78 dB @4 MHz 75.3 dB @10 MHz 71.2 dB @16 MHz 69.3 dB @20 MHz 65.4 dB @31.25 MHz 59.4 dB @62.5 MHz 55.3 dB @100 MHz 53.4 dB @125 MHz 49.3 dB @200 MHz 47.3 dB @250 MHz 45.8 dB @300 MHz 43.3 dB @400 MHz 41.3 dB @500 MHz 39.7 dB @600 MHz 35.3 dB @1000 MHz

Power Sum Alien Crosstalk Ratio Far-end (PS ACR-F)	75 dB @4 MHz 72.3 dB @10 MHz 68.2 dB @16 MHz 66.3 dB @20 MHz 62.4 dB @31.25 MHz 56.4 dB @62.5 MHz 52.3 dB @100 MHz 50.4 dB @125 MHz 46.3 dB @200 MHz 44.3 dB @250 MHz 42.8 dB @300 MHz 40.3 dB @400 MHz 38.3 dB @500 MHz 36.7 dB @600 MHz 32.3 dB @1000 MHz
Power Sum Attenuation to Alien Crosstalk Far-end (PS AACR-F)	67 dB @4 MHz 67 dB @10 MHz 67 dB @16 MHz 67 dB @20 MHz 63.3 dB @31.25 MHz 57.3 dB @62.5 MHz 53.2 dB @100 MHz 51.3 dB @125 MHz 47.2 dB @200 MHz 45.2 dB @250 MHz 43.7 dB @300 MHz 41.2 dB @400 MHz 39.2 dB @500 MHz 37.6 dB @600 MHz 33.2 dB @1000 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 67 dB @62.5 MHz 67 dB @100 MHz 67 dB @125 MHz 67 dB @200 MHz 67 dB @250 MHz 67 dB @300 MHz 67 dB @400 MHz 67 dB @500 MHz 65.8 dB @600 MHz 62.5 dB @1000 MHz
Input impedance	100 Ohm @1...1000 MHz
Delay skew	<= 25 ns @4...1000 MHz
Resistance unbalance	<= 2 %
TCL	>= 40...10 x log(f) dB @1...250 MHz (IEC 61156-5 ed2)
Coupling attenuation	>= 55 dB @30...100 MHz (IEC 61156-5 ed2, type I) >= 55...20 x log <sub>10</sub> (f / 100) dB @100...1000 MHz (IEC 61156-5 ed2, type I)
NVP	80 %
Pulling force	<= 392 N
Calorific value	1214 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	<= 7.9 mm x 16.8
Cable packaging	Drum of 500 m
Cable weight	114 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 50288-9-1