

Product Series	FlexPremium CAT6 LSZH	Flexlite CAT6 LSZH	FlexPremium CAT6 24 AWG PVC	Market
Part Number	ZZ-C6X-LL-28LSZH-F	MM-C6X-LL-28LSZH-F	MM-C6X-LLC	
Description	Pactech CAT 6 28AWG (Sentinel Plug)	Pactech CAT 6 28AWG (Regular Plug)	Pactech CAT6 24AWG (Sentinel Plug/Boot)	CAT6 28AWG
Jacket	Low Smoke Zero Halogen	Low Smoke Zero Halogen	PVC	PVC
OD	3.8mm	3.8mm	3.8mm	3.8mm
Minimum Bend Radius	15.2mm	15.2mm	≥25.2mm	N/A
Shielding	UTP	UTP	UTP	UTP
Maximum Distance for 1Gbps Transmission	44.7m/147ft	44.7m/147ft	≥90m/295ft	N/A
Power over Ethernet Support @30W	Yes	Yes	Yes	Yes
Bandwidth	250MHz	250MHz	250MHz	250MHz
Storage Temperature	-20 °C to 70°C	-20 °C to 70°C	-20 °C to 75°C	-20 °C to 70°C
Installation Temperatures	0°C to 50°C	0°C to 50°C	0°C to 50°C	N/A
Operating Temperature	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-20 °C to 75°C
Color Options	Black Blue Gray Green Orange Purple Red White Yellow	Black Blue Gray Green Orange Purple Red White Yellow	Black Blue Gray Green Orange Purple Red White Yellow Pink	Black Blue Gray Green Orange Red White Yellow
Available Lengths	1ft 2ft 3ft 3.5ft 4ft 4.5ft 5ft 5.5ft 6ft 6.5ft 7ft 7.5ft 8ft 8.5ft 9ft 9.5ft 10ft 11ft 12ft 15ft 20ft 25ft 30ft 35ft 40ft 45ft 50ft,75ft,100ft	1ft 2ft 3ft 3.5ft 4ft 4.5ft 5ft 5.5ft 6ft 6.5ft 7ft 7.5ft 8ft 8.5ft 9ft 9.5ft 10ft 11ft 12ft 15ft 20ft 25ft 30ft 35ft 40ft 45ft 50ft,75ft,100ft	1ft 2ft 3ft 3.5ft 4ft 4.5ft 5ft 5.5ft 6ft 6.5ft 7ft 7.5ft 8ft 8.5ft 9ft 9.5ft 10ft 11ft 12ft 15ft 20ft 25ft 30ft 35ft 40ft 50ft 75ft 100ft	1ft 3ft 5ft 7ft 10ft 15ft 20ft 25ft 30ft 35ft 40ft 50ft 75ft 100ft
Lengths in meters	Yes	Yes	Yes	N/A
Custom Lengths	Available with Short LT	Available with Short LT	Available with Short LT	N/A
Connector Style	Snagless, Non-Snagless	Snagless, Non-Snagless	Snagless, Non-Snagless	N/A
Boot Length	10.4 mm	10.4 mm	19.0 mm	19.1 mm
Plug Brand	Sentinel	Pactech	Sentinel	N/A
COO	US / TW made	US / TW made	US / TW made	Off Shore
Input Impedance	85~115Ω (1~250MHz)	85~115Ω (1~250MHz)	85~115Ω (1~250MHz)	100±15Ω 4-100MHz
DC Resistance Unbalance	5%	5%	5%	5%
Pair to Ground Capacitance Unbalance	330pF/100m	330pF/100m	330pF/100m	330pF/100m
Mean Characteristic Impedance	85~115Ω (1~250MHz)	85~115Ω (1~250MHz)	85~115Ω (1~250MHz)	100±15ohm 4-100MHz 100+ 22ohm @ 100-250MHz
Nominal Velocity of Propagation (NVP)	69%	69%	69%	68±2%
Propagation Delay	≥537.0ns/100m @100MHz	≥537.0ns/100m @100MHz	≥541.4ns/100m @100MHz	≥537.0ns/100m @100MHz
Propagation Delay Skew	≥45ns/100m max	≥45ns/100m max	≥45ns/100m max	≥45ns/100m max
Conductor resistance	22.3Ω/ 100M / 20°C max	22.3Ω/ 100M / 20°C max	8.76Ω/ 100M 20°C max	<93.8Ω/km/20°C max
Rating	75°C, 300V	75°C, 300V	75°C, 300V	75°C, 300V
Spark Test	2.5kV	2.5kV	2.5kV	N/A