

# STRUCTURED WIRING

## A Guide to Lan Cable Screening Options

Unscreened twisted pairs	U/UTP
Screened foil outer	F/UTP
Screened foil outer with individual screened foil twisted pairs	F/FTP
Unscreened outer with individual screened foil twisted pairs	U/FTP
Screened braided outer with individual screened foil twisted pairs	S/FTP
Screened braided and foil outer with unscreened twisted pairs	SF/UTP

## LAN CABLE APPLICATION CHART

SFX Part Code	Unshielded		Shielded			
	Cat5e	Cat6	Cat5e	Cat6	Cat6A	Cat7
CCTV with Baluns	✓	✓	✓	✓	✓	✓
IP Camera	✓	✓	✓	✓	✓	✓
IP Camera + PoE	✓	✓	✓	✓	✓	✓
IP Alarms & Safety Systems	✓	✓	✓	✓	✓	✓
10/100 Megabits Network	✓	✓	✓	✓	✓	✓
1000 Megabits Network	✓	✓	✓	✓	✓	✓
10 Gigabits Network	✗	✗	✗	✗	✓	✓
40 Gigabits Network	✗	✗	✗	✗	✓	✓
100 Gigabits network	✗	✗	✗	✗	✓	✓
VOIP	✓	✓	✓	✓	✓	✓
VOIP + PoE	✓	✓	✓	✓	✓	✓
XDSL	✓	✓	✓	✓	✓	✓
WiFi Access Point	✓	✓	✓	✓	✓	✓
Bluetooth Access Point	✓	✓	✓	✓	✓	✓
Analogue & Digital TV (900Mhz Max)	✗	✗	✗	✗	✗	✓
IPTV	✓	✓	✓	✓	✓	✓
IP Alarms & Safety Systems	✓	✓	✓	✓	✓	✓