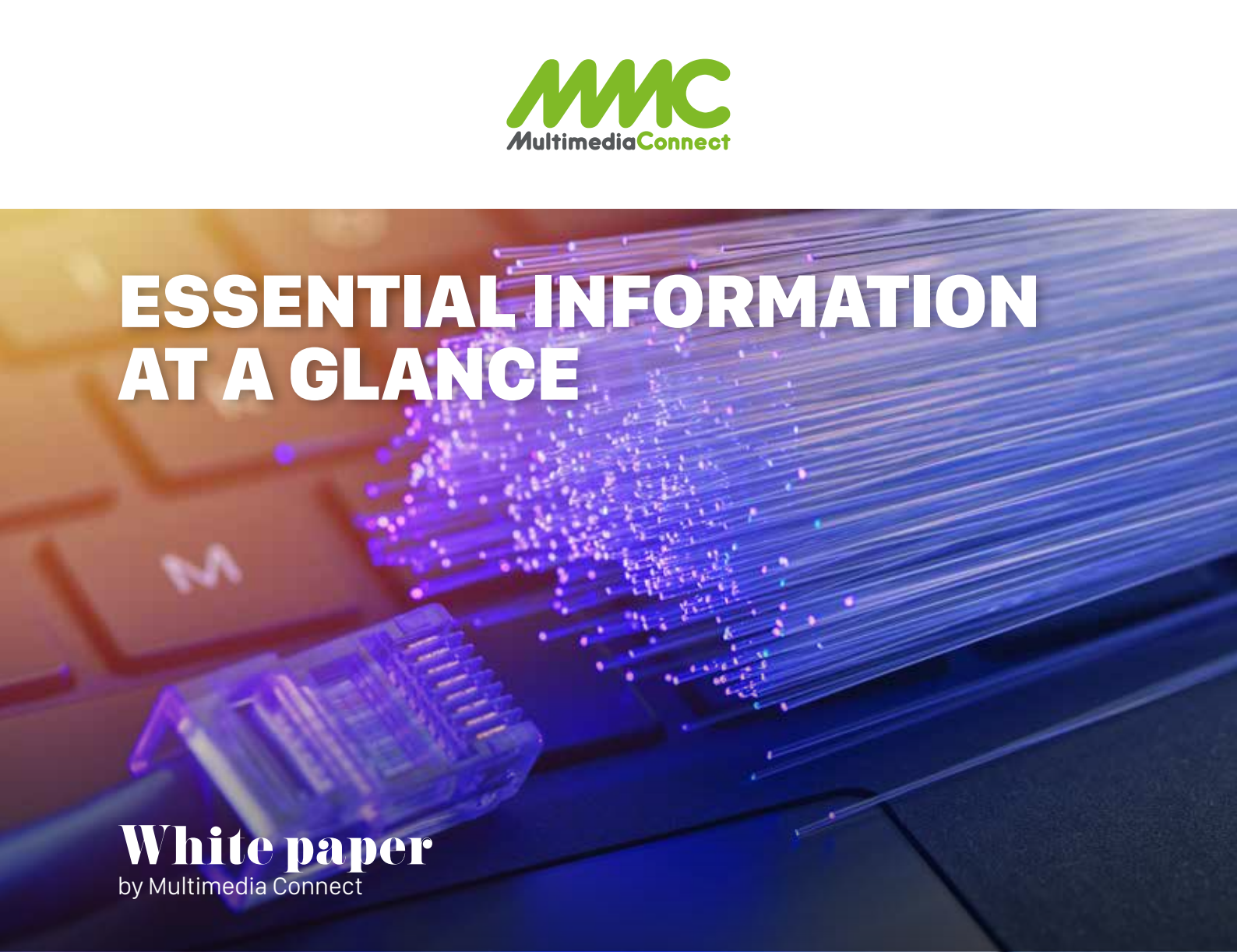
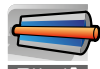
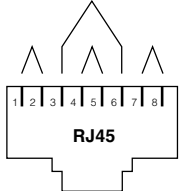
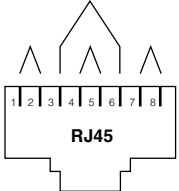
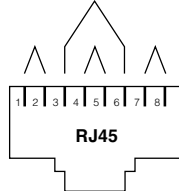
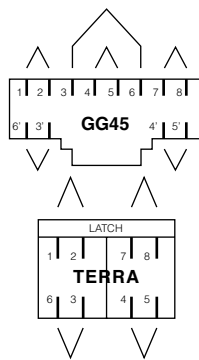
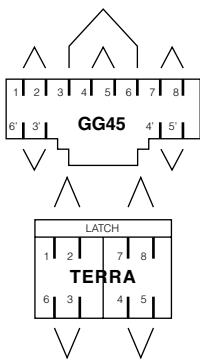




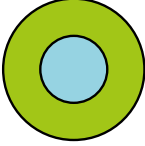
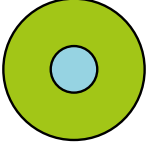
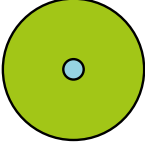
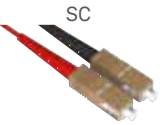
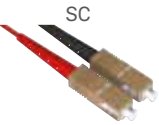
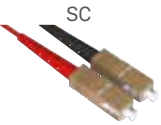
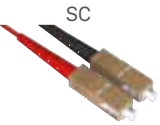
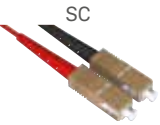
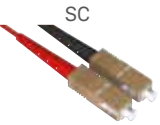
ESSENTIAL INFORMATION AT A GLANCE

White paper
by Multimedia Connect

COPPER SYSTEM SYNTHETIC TABLE

	CAT.5e	CAT.6	CAT.6a	CAT.7	CAT.7a
Maximum Frequencies					
System Standards	ISO 11801 CLASS D EN 50173-1 CLASS D EAI/TIA 568-C.2 CAT5e	ISO 11801 CLASS E EN 50173-1 CLASS E EAI/TIA 568-C.2 CAT6	ISO 11801 CLASS Ea EN 50173-1 CLASS Ea EAI/TIA 568-C.2 CAT6a	ISO 11801 CLASS F EN 50173-1 CLASS F	ISO 11801 CLASS Fa EN 50173-1 CLASS Fa
Type of shielding	  Blindé Non Blindé	  Blindé Non Blindé	  Blindé Non Blindé	 Blindé	 Blindé
Type of connector	RJ45 (IEC 60603-7-x) 	RJ45 (IEC 60603-7-x) 	RJ45 (IEC 60603-7-x) 	GG45 or Tera (IEC 60603-7-7 ou 61076-3-104) 	GG 45 or Tera 
Communication	1000 Mégabits/s	10 Gigabits/s	10 Gigabits/s	Futur applications	Futur applications
Security	IP camera	IP camera powered by POE	HD IP camera powered by POEp	HD IP camera powered by POEp	HD IP camera powered by POEp
TV					 

FIBER SYSTEM SYNTHETIC TABLE

	OM1	OM2	OM3	OM4	OS1	OS2
Type of fiber	Multimode				Monomode	
Structure	62.5/125µm	50/125µm			9/125µm	
						
Maximum Bandwith	500 Mhz *Km	500Mhz*Km	2000Mhz*Km	4700Mhz*Km	Infinie	Infinie
System standard	EN 50173-1 ISO 11801	EN 50173-1 ISO 11801	EN 50173-1 ISO 11801	EN 50173-1 ISO 11801	EN 50173-1 ISO 11801	EN 50173-1 ISO 11801
Type of connector : 2.5mm	 	 	 	 	  	  
Type of connector : 1.25 mm					 LCAPC	 LCAPC
Multifiber connector		 MPT	 MPT	 MPT	 MPT	 MPT
Communication	1000 Megabits/s over 550 m.	1000 Megabits/s over 550 m.	10 Gigabits/s over 300 m.	10 Gigabits/s over 550 m.	100 Gigabits/s over 2000 m.	100 Gigabits/s over 10000 m.