


A6 Selection Table


A6: UNITRONIC®-COAX-/BUS-/LAN-Cables - Interfaces COAX-/BUS-/LAN-Cables

Application Criteria	Cable and Lead Designation																												
	COAXIAL CABLE RG 6 A/U	COAXIAL CABLE RG 58 C/U	COAXIAL CABLE RG 174 A/U	COAXIAL CABLE RG 178 B/U	COAXIAL CABLE RG 188 A/U	COAXIAL CABLE RG 213 /U	COAXIAL CABLE RG 214 /U	COAXIAL CABLE RG 223 /U	COAXIAL CABLE RG 11 A/U	COAXIAL CABLE RG 11 A/U outdoor	COAXIAL CABLE RG 59 B/U	COAXIAL CABLE RG 187 A/U	COAXIAL CABLE RG 62 A/U	MULTI-COAXIAL CABLE RG 59 B/U	COAXIAL CABLE RGB	COAXIAL CABLE RGB-FD	UNITRONIC® BUS IBS	UNITRONIC® BUS IBS FD P	UNITRONIC® BUS IBS Yv	UNITRONIC® BUS IBS P COMBI	UNITRONIC® BUS IBS FD P COMBI	UNITRONIC® BUS IBS Yv COMBI	UNITRONIC® BUS LD	UNITRONIC® BUS LD FD P	UNITRONIC® BUS PB	UNITRONIC® BUS PB FD P	UNITRONIC® BUS PB Yv	UNITRONIC® BUS PB 7-W	UNITRONIC® BUS PB COMBI 7-W
Application																													
suitable for network type to:																													
IEEE 802.3 (Ethernet)	●								○																				
IEEE 802.4 (MAP)											○																		
IEEE 802.5 (IBM)																													
ISDN 64 K Bit																													
IBM 3270, 3600, 4300																													
IBM AS 400, 36, 38																													
IBM PC Network										●																			
10 base 5 Ethernet																													
10 base 2 Cheapernet		○																											
10 base T (UTP) 100 Ohm																													
Token Ring (STP) 150 Ohm																													
Token Bus									●																				
Radio/TV									●		○																		
Video BAS/FBAS									●		●																		
Video RGB Monitors									○		○																		
EIA RS 232/V.24																							○	○					
EIA RS 422/V.11																							○	○					
EIA RS 485																							●	●					
EIA RS 232/20 mA (TTY)																							●	●					
Standards																													
PROFIBUS																							●	●	●	●	●	●	●
INTERBUS (Phoenix Contact)																							●	●	●	●	●	●	●
BITBUS (Intel)																							●	●					
For LAN installations (IBM, Ethernet etc.)	●						●	●	●			●	●	●															
With IBM reference approval																													
Acc. to DEC specification																													
Temperature range																													
+205 °C				□	□						□																		
+90 °C		□	□			□	□	□	□		□		□	□	□														
+80 °C																													
+70 °C																													
+60 °C																													
-5 °C																													
-20 °C																													
-30 °C																													
-40 °C		□	□			□	□	□	□		□		□	□															
-50 °C																													
-190 °C				□	□																								
Characteristic impedance																													
≥ 150 Ohm																													
≥ 120 Ohm																													
≥ 100 Ohm																													
≥ 93 Ohm																													
≥ 75 Ohm	●																												
≥ 60 Ohm																													
≥ 50 Ohm	●	●	●	●	●	●	●	●																					
Capacity category																													
CAT.5 ≤ 100 MHz																													
CAT.6 ≤ 250 MHz																													
CAT.7 ≤ 600 MHz																													
Make-up																													
PVC sheath	●	●	●			●	●	●	●		●	●	●	●					●			●	●	●	●	●	●	●	●
Halogen free sheath																													
PE sheath																													
PUR sheath, wear resistant; cutting resistant																													
Flourpolymer outer sheath				●	●							●																	
Laying																													
Outdoor laying in air		●	●	●	●	●	●	●			●	●	●	●					●			●							
indirectly in the ground	●	●	●	●	●	●	●	●			●	●	●	●					●			●							
Indoor use laid directly																													
directly in the ground										●																			

Halogen free types see selection table A4.

- = Principal application
- = Application not customary, but possible, or alternative design available in the range
- = Temperature range for flexible laying
- = Temperature range for static laying

A6: UNITRONIC®-COAX-/BUS-/LAN-Cables - Interfaces COAX-/BUS-/LAN-Cables

Application Criteria	Cable and Lead Designation																										
	UNITRONIC® BUS PB PE	UNITRONIC® BUS PB P	UNITRONIC® BUS PB TORSION	UNITRONIC® BUS PB FESTOON	UNITRONIC® BUS PB FD Y HYBRID	UNITRONIC® BUS AS-INTERFACE	UNITRONIC® BUS EIB	LAN UTP CAT.5e, 200 MHz	LAN UTP/S CAT.5e, 200 MHz	LAN UTP/BS CAT.5e, 200 MHz	LAN UTP/BS DUPLEX CAT.5e, 200 MHz	LAN UTP/S+UTP/BS flex. CAT.5e, 200 MHz	LAN PATCH COLOR, CAT.5e, 200 MHz	LAN STP/S PIMF 6e, 500 MHz	LAN STP/S PIMF CAT.7, 600 MHz	UNITRONIC® LAN 1.2 GHz	UNITRONIC® Li2YCY(TP)-Li2YCY(TP)	UNITRONIC® Li2YCY PIMF	ETHERLINE® 2 pair, stationary	ETHERLINE® 4 pair, stationary	ETHERLINE® 2 pair, flexible	ETHERLINE® 4 pair, flexible	ETHERLINE® 2 pair, highly flexible	ETHERLINE® 4 pair, highly flexible	UNITRONIC® BUS CAN	UNITRONIC® BUS CAN FD P	
Application	suitable for network type to:																										
IEEE 802.3 (Ethernet)																											
IEEE 802.4 (MAP)																											
IEEE 802.5 (IBM)																											
ISDN 64 K Bit								●	●	●	●	●	●	●	●	●	○	○									
IBM 3270, 3600, 4300																											
IBM AS 400, 36, 38																											
IBM PC Network																											
10 base 5 Ethernet																											
10 base 2 Cheapernet																											
10 base T 100 Ohm								●	●	●	●	●	●	●	○	○	●		●	●	●	●					
100 base T 100 Ohm								●	●	●	●	●	●	●	●	●	●		●	●	●	●	●				
Token Ring (STP) 150 Ohm																											
Token Bus																											
Radio/TV															○												
Video BAS/FBAS																											
Video RGB monitors																											
EIA RS 232/V.24								●	●	●	●	●	●	●	●	●	●	●									
EIA RS 422/V.11								○	○	○	○	○	○	○	○	○	○	○									
EIA RS 485								○	○	○	○	○	○	○	○	○	○	○							○	○	
EIA RS 232/20 mA (TTY)								○	○	○	○	○	○	○	○	○	○	○									
Standards																											
PROFIBUS	●	●	●	●																							
INTERBUS (Phoenix Contact)																											
BITBUS (Intel)																											
For LAN installations (IBM, Ethernet etc.)								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
With IBM reference approval																											
Acc. to DEC specification																											
Temperature range																											
+205 °C																											
+90 °C																											
+80 °C	□			□	□															□	□	□	□	□	□	□	□
+70 °C		□																									
+60 °C			□																								
-5 °C					□																						
-20 °C																											
-30 °C								□	□	□	□	□	□	□	□	□	□	□									
-40 °C								□	□	□	□	□	□	□	□	□	□	□									
-50 °C	■	□	□	□																							
-190 °C																											
Characteristic impedance																											
≥ 150 Ohm	●	●	●	●	●																						
≥ 120 Ohm																											
≥ 100 Ohm								●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
≥ 93 Ohm																											
≥ 75 Ohm																											
≥ 60 Ohm																											
≥ 50 Ohm																											
Capacity category																											
CAT.5 ≤ 100 MHz								●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
CAT.5e								●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
CAT.6 ≤ 250 MHz																											
CAT.7 ≤ 600 MHz																											
1.2 GHz																											
Make-up																											
PVC sheath				●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Halogen free sheath								●	●	●	●	●	●	●	●	●	●		○	○	○	○					
PE sheath	●																										
PUR sheath, wear resistant; cutting resistant		●	●																								
Flourpolymer outer sheath																											
Laying																											
Outdoor laying in air																											
indirectly in the ground																											
Indoor use laid directly	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
directly in the ground																											

Halogen free types see selection table A4.

● = Principal application
○ = Application not customary, but possible, or alternative design available in the range
■ = Temperature range for flexible laying
▣ = Temperature range for static and flexible laying
□ = Temperature range for static laying