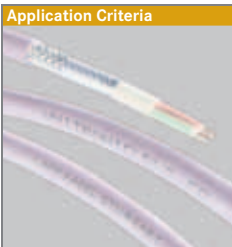
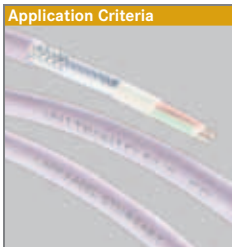


Selection Tables
A6: UNITRONIC®-COAX-/BUS-/LAN-Cables – Interfaces COAX-/BUS-/LAN-Cables

Application Criteria	Cable and Lead Designation												
	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		■		■		■		■					

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

Application Criteria	Cable and Lead Designation												
	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
Temperature range													
-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 in the Main Catalogue.

- = Principal application
- = Application not customary, but possible, or alternative design available in the range
- = Temperature range for flexible laying
- (with diagonal line) = Temperature range for static and flexible laying
- = Temperature range for static laying

A7 Selection Tables

A7: UNITRONIC® BUS and ETHERLINE®

Legend

7-W	= 7-wire strand
AS-I	= AS-INTERFACE
COMBI IBS	= Installation remote bus cable for INTERBUS
DN	= Device Net
EIB	= European Installation Bus
FD	= suitable for power chains
FRNC	= Flame Retardant Non Corrosive
G	= rubber outer sheath (EPDM)
H	= Halogen free material
IBS	= Remote bus cable for INTERBUS
L2	= Abbreviation for SINEC® L2-DP
LD	= Long distance
P	= Polyurethane outer sheath
PB	= Profi Bus
PE	= Polyethylene outer sheath
PROFIBUS-DP	= D ecentralized P eriphery
PROFIBUS-FMS	= F ieldbus M essage S pecification
PROFIBUS-PA	= P rocess A utomation
TPE	= thermoplastic Elastomer
Yv	= Wire for outdoor use/direct burial with reinforced PVC outer sheath
YY	= double PVC outer sheath

For detailed product information, please consult our current Main Catalogue or our homepage www.lappgroup.com.

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