

CABLURI - DETALII TEHNICE

TABEL SELECȚIE: CABLURI SI CONDUCTOARE



DOMENIU DE APLICATIE

CABLURI SI DESTINATIA

- = PRINCIPAL APPLICATION
- = APPLICATION NOT CUSTOMARY, BUT POSSIBLE OR ALTERNATIVE DESIGN AVAILABLE IN THE RANGE
- = TEMPERATURE RANGE FOR FLEXIBLE LAYING
- = TEMPERATURE RANGE FOR STATIC LAYING
- ▣ = TEMPERATURE RANGE FOR STATIC AND FLEXIBLE LAYING

OLFLEX® CLASIC 100 H	OLFLEX® CLASSIC 110 H	OLFLEX® CLASIC 110 CH	OLFLEX® 120 H	OLFLEX® 120 CH	OLFLEX® CLASSIC 130 H	OLFLEX® CLASSIC 135 CH	OLFLEX® 440 P	OLFLEX® 440 CP	OLFLEX® 540 P	OLFLEX® 540 CP	OLFLEX® SERVO FD 755 P	OLFLEX® SERVO FD 755 CP	OLFLEX® SERVO FD 760 CP	OLFLEX® SERVO FD 770 CP	OLFLEX® SERVO FD 781 P	OLFLEX® SERVO FD 781 CP	OLFLEX® SERVO FD 785 P	OLFLEX® SERVO FD 785 CP	OLFLEX® FD 820 H
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APLICARE

UTILAJE SI INSTALATII INDUSTRIALE
 CABLAJE EXTERNE PENTRU UTILAJE
 CABLAJE INTERNE DULAPURI
 ALTE INSTALATII IN CONSTRUCTII
 INSTALATII ILUMINAT
 INSTALATII DE FORTA
 REȚELE DATE

●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●																			
○																			
○																			

STANDARDE

VDE 0482 T 267 HALOGEN FREE
 DENSITATE FUM SCAZUTA
 TOXICITATE SCAZUTA LA FUM
 IEC 60 332.1-2 PROPAGARE SCAZUTA LA FOC
 TEMPERATURA RIDICATA PENTRU APRINDERE
 VDE/HAR/DIN/UL
 VDE/HAR/DIN/UL/TUV

●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

INTERVAL TEMPERATURI

+180°C
 +145°C
 +120°C
 +110°C
 +90°C
 +80°C
 +70°C
 0°C
 -5°C
 -15°C
 -25°C
 -30°C
 -40°C
 -50°C
 -60°C

□	□	□									□	□					□	□	
■	■	■	▣	▣	▣	▣									■	■	■	■	■

TENSIUNE NOMINALA

250Vss
 300 / 500 V AC
 450 / 750 V
 600 / 1000 V AC
 1,8/3KV
 3,6/6 KV

●	●	●	●	●	●	●	●	●	●	●			●	●					●
○																			

CONSTRUCTIE

CONDUCTOR SOLID VDE 0295 CLASA 1
 MULTI CONDUCTOR VDE 0295 CLASA 2
 CONDUCTOR FIN VDE 0295 CLASA 5
 CONDUCTOR SUPERFIN VDE 0295 CLASA 6
 NUMEROTARE VDE 0293
 COD CULOARE VDE 0293-308, HD 308 S2
 COD CULOARE DIN 47100
 COD CULOARE PENTRU CABLURI TELEFONIE
 COD SPECIAL CULOARE
 CULORI INDIVIDUALE

●	●	●	●	●	●	●	●	●	●	●									
●	●	●	●	●	●	●	●	●	●	●									
●																			

CABLURI - DETALII TEHNICE

TABEL SELECTIE: CABLURI SI CONDUCTOARE



DOMENIU DE APLICATIE

CABLURI SI DESTINATIA

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ÖLFLEX® HEAT 180 UL / CSA	ÖLFLEX® HEAT 180 EWKF C	ÖLFLEX® HEAT 180 GLS	NSHXAF0	ÖLFLEX® SPIRAL 540 P	Halogen free single core	UNITRONIC® BUS L2/ FIP 7-wire	UNITRONIC® LIHCH	UNITRONIC® LIHCH (TP)	UNITRONIC® BUS EIB	UNITRONIC® BUS P Combi IBS	UNITRONIC® BUS FD P IBS	UNITRONIC® BUS FD P-LD	UNITRONIC® BUS AS-INTERFACE	LAN UTP-H CAT 5+ 6 halogen free	LAN FTP-H CAT 5+ 6 halogen free	LAN S-FTP-H CAT 5+6 halogen fr.	LAN STP-H CAT 6 halogen free (N)HXMH	UNITRONIC® FD P plus UL/CSA	UNITRONIC® FD CP plus UL/CSA
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APLICARE	CABLURI SI DESTINATIA																			
	UTILAJE SI INSTALATII INDUSTRIALE CABLAJE EXTERNE PENTRU UTILAJE CABLAJE INTERNE DULAPURI ALTE INSTALATII IN CONSTRUCTII INSTALATII ILUMINAT INSTALATII DE FORTA RETELE DATE	●	●	●	●	●	●	●	●	●	●	●	●	●					●	●
STANDARDE	VDE 0482 T 267 HALOGEN FREE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	DENSITATE FUM SCAZUTA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	TOXICITATE SCAZUTA LA FUM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	IEC 60 332.1-2 PROPAGARE SCAZUTA LA FOC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	TEMPERATURA RIDICATA PENTRU APRINDERE																			
INTERVAL TEMPERATURI	VDE/HAR/DIN/UL	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	
	VDE/HAR/DIN/UL/TUV	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	
	+180°C	■	■	■																
	+145°C																			
	+120°C																			
	+110°C						□								▣	▣	▣			
	+90°C				■	■														
	+80°C								□	□										
	+70°C						■			□	■	■	■	□	□	□	□	□	■	■
	0°C				■															
	-5°C									□										
	-15°C																			
	-25°C																			
-30°C				□	■			□	□					□	□	□	□		■	■
-40°C								□	■		■	■							■	■
-50°C	■	■	■																	
-60°C																				
TENSIUNE NOMINALA	250Vss									●	●	●	●	●	●	●	●	●	●	
	300 / 500 V AC		●	●		●	●											●	●	
	450 / 750 V					●	●													
	600 / 1000 V AC	●			●															
	1,8/3KV																			
	3,6/6 KV																			
	CONSTRUCTIE	CONDUCTOR SOLID VDE 0295 CLASA 1									●			●	●	●	●	●	●	●
MULTI CONDUCTOR VDE 0295 CLASA 2										●								●		
CONDUCTOR FIN VDE 0295 CLASA 5		●	●	●		●			●	●			●							
CONDUCTOR SUPERFIN VDE 0295 CLASA 6		●	●	●		●							●	●					●	●
NUMEROTARE VDE 0293		●	●	●		●												●	●	●
COD CULOARE VDE 0293-308, HD 308 S2		●	●	●		●								●				●	●	●
COD CULOARE DIN 47100										●	●		●	●					●	●
COD CULOARE PENTRU CABLURI TELEFONIE																				
COD SPECIAL CULOARE											●	●			●	●	●	●		
CULORI INDIVIDUALE				●		●														

CABLURI - DETALII TEHNICE

TABEL SELECTIE: CABLURI TRANSMISIE DATE PENTRU JOASA FRECVENTA ANALOG/DIGITAL



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UNITRONIC® ST
 UNITRONIC® FD
 UNITRONIC® FD CY
 UNITRONIC® FD P plus UL/ CSA
 UNITRONIC® FD CP plus UL/ CSA
 UNITRONIC® FD CP (TP) plus UL/ CSA
 UNITRONIC® LI2YCY(TP)-LI2YCYv (TP)
 UNITRONIC® LI2YCY PIMF
 JE-Y(STY)
 JE-LIYCY (TP)
 Telephone indoor cable J-YY/J-Y(STY)
 Fire alarm cable J-Y(STY) RED
 UNITRONIC® J-2Y(STY)
 Telephone outdoor cable

APLICARE	UNITRONIC® ST	UNITRONIC® FD	UNITRONIC® FD CY	UNITRONIC® FD P plus UL/ CSA	UNITRONIC® FD CP plus UL/ CSA	UNITRONIC® FD CP (TP) plus UL/ CSA	UNITRONIC® LI2YCY(TP)-LI2YCYv (TP)	UNITRONIC® LI2YCY PIMF	JE-Y(STY)	JE-LIYCY (TP)	Telephone indoor cable J-YY/J-Y(STY)	Fire alarm cable J-Y(STY) RED	UNITRONIC® J-2Y(STY)	Telephone outdoor cable
- COMANDA SUPLIMENTARA/(ZK/ZE)	●								●	●	●		●	○
- OPERARE ACHIZITII DATE (BDE)	●								●	●	●		●	○
- SISTEM CEASOFICARE									●	●	●		●	○
- INTRARE FORTATA SITEME ALARMARE (EMA)							○	○	○	○	●		○	○
- SISTEME ALARMA (BMA)							○	○			○	●	○	○
- SISTEME TELEFONIE							○	○			○	●	○	○
- INTERFON /SISTEME DUPLEX							●	●	○	○	●	●	●	●
- SISTEME ELECTROACUSTICA (ELA/PA)							●	●	○		●	●	●	●
- CABLURI AUDIO							●	●						
- IMPRIMANTA/PLOTER	●	○	●	○	○	○	●	●						
- MOTOARE							●	●		○				
- CODIFICATOR							●	●		○				
- SENZORI INDUSTRIALI U<50VEFF	●	●	●	●	●	●	●	●	○	○				
- SISTEME ANALOGICE DE MASURA SI CONTROL (MSR)	●	●	●	●	●	●	●	●					○	○
- SISTEME DIGITALE DE MASURA SI CONTROL (MSR)	●	●	●	●	●	●	●	●		○			○	○
- INSTRUMENTE ELECTRONICE	●	●	●	●	●	●	●	●	○	○				
- TEHNOLOGII DE TAIERE SI PERFORARE (0,34 MMP/AWG 22)	●	●	●				●	○	●	●	●	●	●	●
+80°C	□	□	□	□	□	□							□	□
+70°C		■	■	■	■	■	□	□	□	□	□			□
+60°C														
-5°C		■	■								□			□
-20°C														
-30°C	□	□	□				□	□	□	□				●
-40°C				■	■	■								
-INSTALATII FIXE EXTERIOR							○							●
-INSTALATII SUBTERANE														○
-INSTALATII FIXE INTERIOR	●	○	○	●	●	●	●		●	●	●		●	
-INSTALATII FLEXIBILE OCAZIONAL (INTERIOR)		●	●	○	○	○	●	●		○				
-INSTALATII PERMANENTE FLEXIBILE (INTERIOR/EXTERIOR)				●	●	●		●						
HALOGEN FREE	●	●	●	●	●	●							●	●
INTARZIERE ORPAGARE FLACARA, AUTOSTINGERE	●	●	●	●	●	●	●	●	●	●	●	○	○	○
PT. TRANSMITERE SEMNALE ELECTRICE SIMETRICE(TP), PERECHI RASUCITE								●	●	●	○			
ECRANAT								●						
EFFECT DE ECRAN	●		●	●	●	●	●	●	●	○	●	●	●	●
ATENUARE TRANSMISII, CAPACITATE SCAZUTA				●	●	●	●	●					●	
CONDUCTOARE CU ECRAN INDIVIDUAL														
COMBINATII DE CONDUCTOARE PERECHI/CONDUCTOARE INDIVIDUALE														
COD CULOARE DIN 47100	●	●	●	●	●	●	●	●						
COD CULOARE UNITRONIC														
COD CULOARE INDUSTRIE ELCTRONICA VDE 0815									●	●				
COD CULOARE "BD" VDE 0815/0816										○	○		●	●
COD CULORI PERECHI VDE 0815													○	○
COD CULORI SPECIALE	●													
NUMEROTARE CONDUCTOARE														
MANTA PVC/PVC SPECIAL	●	●	●				●	●	●	●	●	●	●	●
MANTA PUR, REZISTENTA LA UZURA SI TAIERE				●	●	●								
MANTA EXTERIOARA PE (FARA INTARZIERE LA PROPAGAREA FLACARII)														●

CABLURI - DETALII TEHNICE

TABEL SELECTIE: CABLURI UNITRONIC - -COAX/-BUS/-LAN



DOMENIU DE APLICATIE

CABLURI SI DESTINATIA

euro/unit

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UNITRONIC® BUS YV COMBI IBS
 UNITRONIC® BUS LD
 UNITRONIC® BUS FD P LD
 UNITRONIC® BUS L2/F.I.P
 UNITRONIC® BUS FD P L2/F.I.P
 UNITRONIC® BUS Yv L2/F.I.P
 UNITRONIC® BUS L2/FIP 7-wire
 UNITRONIC® BUS COMBI L2/FIP 7-wire
 UNITRONIC® BUS L2/FIP PE
 UNITRONIC® BUS L2/FIP PUR
 UNITRONIC® BUS L2/FIP TERSON
 UNITRONIC® BUS L2/FIP FESTOON
 UNITRONIC® BUS Y PROFIBUS HYBRID
 UNITRONIC® BUS AS-INTERFACE
 UNITRONIC® BUS EIB
 IBM LAN-Typ 1A (600 MHz)
 TWINAX 105+8 Ohm
 LAN UTP CAT.5e, 200MHz
 LAN UTP/S CAT.5e, 200MHz
 LAN UTP/BS CAT.5e, 200MHz
 LAN UTP/BS DUPLEX CAT.5e, 200MHz
 LAN UTP/S+UTP/BS flex. CAT.5e, 200MHz

APLICARE	STANDARDE	INTERVAL TEMPERATURI	IMPEDANTA CARACTERISTICA	UNITRONIC® BUS YV COMBI IBS	UNITRONIC® BUS LD	UNITRONIC® BUS FD P LD	UNITRONIC® BUS L2/F.I.P	UNITRONIC® BUS FD P L2/F.I.P	UNITRONIC® BUS Yv L2/F.I.P	UNITRONIC® BUS L2/FIP 7-wire	UNITRONIC® BUS COMBI L2/FIP 7-wire	UNITRONIC® BUS L2/FIP PE	UNITRONIC® BUS L2/FIP PUR	UNITRONIC® BUS L2/FIP TERSON	UNITRONIC® BUS L2/FIP FESTOON	UNITRONIC® BUS Y PROFIBUS HYBRID	UNITRONIC® BUS AS-INTERFACE	UNITRONIC® BUS EIB	IBM LAN-Typ 1A (600 MHz)	TWINAX 105+8 Ohm	LAN UTP CAT.5e, 200MHz	LAN UTP/S CAT.5e, 200MHz	LAN UTP/BS CAT.5e, 200MHz	LAN UTP/BS DUPLEX CAT.5e, 200MHz	LAN UTP/S+UTP/BS flex. CAT.5e, 200MHz
Potrivite pentru retele de tipul:																									
IEEE 802.3 (ETHERNET)																				●					
IEEE 802.4 (MAP)																									
IEEE 802.5 (IBM)																				●					
ISDN 64 K Bit																									
IMB 3270,3600,4300																									
IBM AS 400, 36, 38																									
IBM PC NETWORK																									
10 BASE 5 ETHERNET																									
11 BASE 2 CHEAPERNET																									
12 BASE T 100 Ohm																									
Token Ring 150 Ohm																									
Token Bus																									
RADIO / TV																									
VIDE BAS / BAS																									
VIDEO RGB MONITORS																									
EIA RS 232/V24																				○		●	●	●	●
EIA RS 422																				○		○	○	○	○
EIA RS 485																				○		○	○	○	○
EIA RS 232/20 Ma(tty)																				○		○	○	○	○
SERVICE RADIO, CB-RADIO, AMATEUR RADIO																				○		○	○	○	○
PROFIBUS					●	●	●	●	●	●	●	●	●	●	●	●									
INTERBUS (Phoenix Contact)					●																				
BITBUS (Intel)						●																			
Intranet (IBM, Ethernet etc.)																				●	●	●	●	●	●
Certificare IBM																				●	●				
Specificatii DEC																									
+205°C																									
+90°C																									
+80°C	□																								
+70°C		□																							
+60°C			□																						
-5°C																									
-20°C																									
-30°C	□	□			■		■																		
-40°C			□						▣																
-50°C																									
-190°C																									
≥ 150 Ohm																									
≥ 120 Ohm																									
≥ 100 Ohm																									
≥ 93 Ohm	●	●	●																						
≥ 75 Ohm																									
≥ 60 Ohm																									
≥ 50 Ohm																									

CABLURI - DETALII TEHNICE

TABEL SELECTIE: CABLURI UNITRONIC - -COAX/-BUS/-LAN



DOMENIU DE APLICATIE

CABLURI SI DESTINATIA

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		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	COAXIAL CABLE RG 71 B/U	MULTI-COAXIAL CABLE RG 59 B/U	COAXIAL CABLE RGB	COAXIAL CABLE RGB-FD	UNITRONIC® BUS IBS	UNITRONIC® BUS FD P IBS	UNITRONIC® BUS Yv IBS	UNITRONIC® BUS P COMBI IBS	UNITRONIC® BUS FD P COMBI IBS	
CAPACITATE	CAT. 5≤100 MHz																							
	CAT. 5e																							
	CAT. 6≤250 MHz																							
POZARE	-INSTALATII ELECTRICE EXTERIORIOARE SUSPENDATE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	-SUBTERAN PROTEJATE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	-SUBTERAN FARA PROTECTIE -INTERIOR										●												●	
CONSTRUCTIE	-MANTA PVC	●	●	●			●	●	●	●		●				●	●					●		
	-MANTA HALOGEN FREE																							
	-MANTA PE																							
	-MANTA PUR, REZISTENTA LA UZURA																							
	-MANTA PUR, REZISTENTA LA TAIERE																							
	-MANTA FLUORPOLYMER																							
	-INSTALATII ELECTRICE EXTERIORIOARE SUSPENDATE			●	●								●											

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		UNITRONIC® BUS Yv COMBI IBS	UNITRONIC® BUS LD	UNITRONIC® BUS FD P LD	UNITRONIC® BUS L2/FI.P	UNITRONIC® BUS FD P L2/FI.P	UNITRONIC® BUS Yv L2/FI.P	UNITRONIC® BUS L2/FIP 7-wire	UNITRONIC® BUS COMBI L2/FIP 7-wire	UNITRONIC® BUS L2/FIP PE	UNITRONIC® BUS L2/FIP PUR	UNITRONIC® BUS L2/FIP TERSION	UNITRONIC® BUS L2/FIP FESTOON	UNITRONIC® BUS Y PROFIBUS HYBRID	UNITRONIC® BUS AS-INTERFACE	UNITRONIC® BUS EIB	IBM LAN-Typ 1A (600 MHz)	TWINAX 105 +8 Ohm	LAN UTP CAT.5e, 200MHz	LAN UTP/S CAT.5e, 200MHz	LAN UTP/BS CAT.5e, 200MHz	LAN UTP/BS DUPLEX CAT.5e, 200MHz	LAN UTP/S+ UTP/BS flex. CAT.5e, 200MHz
CAPACITATE	CAT. 5≤100 MHz																		●	●	●	●	●
	CAT. 5e																		●	●	●	●	●
	CAT. 6≤250 MHz																			●	●	●	●
POZARE	-INSTALATII ELECTRICE EXTERIORIOARE SUSPENDATE				●																		
	-SUBTERAN PROTEJATE	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	-SUBTERAN FARA PROTECTIE -INTERIOR	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CONSTRUCTIE	-MANTA PVC	●	●	●	●		●	●	●			●	●			●	●	●	●	●	●	●	●
	-MANTA HALOGEN FREE																						
	-MANTA PE										●												
	-MANTA PUR, REZISTENTA LA UZURA			●	●						●	●											
	-MANTA PUR, REZISTENTA LA TAIERE																						
	-MANTA FLUORPOLYMER																						

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		LAN PATCH COLOR, CAT.5e, 200MHz	LAN STP/S PIMF, 6e, 500 MHz	LAN STP/S PIMF, CAT.7, 600 MHz	UNITRONIC® LAN 1,2 Ghz	UNITRONIC® L12YCY(TP)-L12YCY(TP)	UNITRONIC® L12YCY 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
CAPACITATE	CAT. 5 ≤ 100 MHz	●						●	●	●	●	●	●
	CAT. 5e	●						●	●				
	CAT. 6 ≤ 250 MHz		●										
	CAT. 7 ≤ 600 MHz 1,2 GHz			●									
POZARE	-INSTALATII ELECTRICE EXTERIORIOARE SUSPENDATE					●							
	-SUBTERAN PROTEJATE					●							
	-SUBTERAN FARA PROTECTIE	●	●	●	●	●	●	●	●	●	●	●	●
	-INTERIOR												
CONSTRUCTIE	-MANTA PVC	●	●	●		●	●						
	-MANTA HALOGEN FREE	●	●	●	●			○	○	○	○		
	-MANTA PE												
	-MANTA PUR, REZISTENTA LA UZURA							●	●	●	●	●	●
	-MANTA PUR, REZISTENTA LA TAIERE												
-MANTA FLUORPOLYMER													