

Usage criteria	Cable designation																																
	Page	276	278-280	281	282	303	304	284	285	286	287	288	289	290	291	293	294	296	297	298	299	305	306	310	311	312	317	318	319	320	321	323	
		UNITRONIC® 100, 100 CY	UNITRONIC® LIY, LYCY	UNITRONIC® LIY (TP)	UNITRONIC® LYCY (TP)	UNITRONIC® 300, 300 S	UNITRONIC® 300 STP	UNITRONIC® LYCY-CY	UNITRONIC® LIFCY (TP)	UNITRONIC® CY PIDY (TP)	UNITRONIC® ST	UNITRONIC® LIYD 11Y	UNITRONIC® PUR CP	UNITRONIC® PUR CP (TP)	UNITRONIC® LIZCY (TP)-LIZCYy (TP)	UNITRONIC® LIZCY PIMF	UNITRONIC® ROBUST, ROBUST C	UNITRONIC® ROBUST C (TP)	UNITRONIC® LIH, LIHCH	UNITRONIC® LIHCH (TP)	UNITRONIC® FD, FD CY	UNITRONIC® FD P plus	UNITRONIC® FD CP plus*	UNITRONIC® FD CP (TP) plus*	JE-Y(STY)...BD	JE-LICY...BD	Indoor telephone cable J-Y(STY)	Fire alarm cable J-Y(STY) red	J-2Y(STY)...ST III BD	Outdoor telephone cable			
Use																																	
Food and beverage industry**																																	
Access control/time recording system																																	
Medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works																																	
Production data acquisition systems																																	
Clock systems																																	
Versions with UL and <16AWG/<1.5 mm ² ***																																	
Intrusion detection systems																																	
Fire alarm systems																																	
Class I, Div. 2 (PLTC, 18&16 AWG)																																	
Telephone private branch exchanges																																	
Intercom systems																																	
Electro-acoustic systems																																	
Recording studio cables/microphone cables																																	
Printers/plotters																																	
DC stepper motors																																	
Encoders (position or angle)																																	
Industrial sensors, U < 50 V _{eff}																																	
Industrial actuators, U < 50 V _{eff}																																	
Measurement and control purposes, analogue																																	
MSR, digital																																	
In electronic devices																																	
For cutting/clamping technology (0.34 mm ² /AWG 22)																																	
Temperature range																																	
+105 °C																																	
+90 °C																																	
+80 °C (UL) for UL AWM versions																																	
+80 °C																																	
+75 °C (UL/CSA CMX – stationary)																																	
+70 °C																																	
+50 °C																																	
-5 °C																																	
-25 °C																																	
-30 °C																																	
-40 °C																																	
-50 °C																																	
Installation																																	
Fixed installation indoors																																	
Flexing applications (indoors), occasional																																	
Outdoors																																	
Permanent flexing (indoors/outdoors)																																	
As tray cable in North-America																																	
Design																																	
Halogen-free																																	
Flame-retardant, self-extinguishing																																	
Symmetrical transmission, twisted pair (TP)																																	
High pair decoupling, pair screening																																	
EI. screening effect, overall screening																																	
Low-attenuation transmission, low-capacitance																																	
Individually screened cores																																	
Colour code DIN 47100																																	
UNITRONIC® colour code																																	
Industrial electronics colour code per VDE 0815																																	
Star quad colour code "BD" per VDE 0815/0816																																	
Pair colour code "LG" per VDE 0815																																	
Special colour code																																	
PVC/special PVC outer sheath																																	
PUR sheath, abrasion-resistant, cut-resistant																																	
PE outer sheath (not flame-retardant)																																	
Special TPE sheath, chem. resistant																																	
Halogen-free accessories																																	
SILVYN® RILL PA6	SILVYN® EMC AS-CU	SKINTOP® ST-HF-M	FLEXIMARK® single core marking	Embossed metal plates, insulated conductor end sleeves																													
SILVYN® RILL PA12	SILVYN® SSUE	SKINTOP® GMP-HF-M	Flexipart, marking sleeves, Flexiprint	Insulated cable lugs, TBTA insulating tape																													
SILVYN® FPAS	SILVYN® UI 511	SKINTOP® BLK-GL-M	FLEXIMARK® cable labelling	Shrink hoses CMP/PKG/HSB/PLG																													
SILVYN® HCC	SILVYN® HFX	SKINTOP® GMP-GL-M	MINI system, shrink tube labelling	TEC end caps																													
SILVYN® LCCH-2	SILVYN® CHAIN	SKINDICHT® KW-M	FLEXIMARK® component labelling	TEB branch joints																													
SILVYN® AS	SILVYN® CHAIN STEEL	SKINDICHT® KU-M	LB LA labels	KW plastic coil																													
SILVYN® EDU-AS	SILVYN® HIPROJACKET	SKINDICHT® EKU-M	DYMO® label strips	Cable ties Basic Tie/TY-RAP®/TY-FAST®																													
SILVYN® TC																																	

- ✓ Main application/design
- ✓ Possible application
- Flexible use
- Fixed and flexible use
- ▲ Fixed installation

*NFA 79, 2015 Edition, 12.9.2, Exemption