

Usage criteria	Cable designation																																			
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		UNITRONIC® 100, 100 CY	UNITRONIC® LIY, LYCY	UNITRONIC® LIY (TP)	UNITRONIC® LIYCY (TP)	UNITRONIC® 300, 300 S	UNITRONIC® 300 STP	UNITRONIC® LIYCY-CY	UNITRONIC® LIFYCY (TP)	UNITRONIC® CY PIDY (TP)	UNITRONIC® ST	UNITRONIC® LIYD 11Y	UNITRONIC® PUR CP	UNITRONIC® PUR CP (TP)	UNITRONIC® LIZYCY (TP)-LIZYCYy (TP)	UNITRONIC® LIZYCY 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-LIYCY...BD	Indoor telephone cable J-Y(ST)Y	Fire alarm cable J-Y(ST)Y red	J-2Y(ST)Y...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 mm²***																																				
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 mm²/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																																				

	Cable protection hoses	C
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