


A5: Data transmission cables for low-frequency analog/digital transmissions

Application Criteria	Cable and Lead Designation																													
	UNITRONIC® LIYY	UNITRONIC® LIYCY	UNITRONIC® LIYY (TP)	UNITRONIC® LIYCY (TP)	UNITRONIC® PUR CP	UNITRONIC® PUR CP (TP)	UNITRONIC® LIHH	UNITRONIC® LIHCH	UNITRONIC® LIHCH (TP)	UNITRONIC® 100	UNITRONIC® 100 CY	UNITRONIC® LIYCY-CY	UNITRONIC® LIYCY (TP)	UNITRONIC® CY PIDY (TP)	UNITRONIC® LIYD11Y	UNITRONIC® ST	UNITRONIC® FD	UNITRONIC® FD CY	UNITRONIC® FD P plus	UNITRONIC® FD CP plus	UNITRONIC® FD CP (TP) plus	UNITRONIC® LI2YCY(TP)-LI2YCYv (TP)	UNITRONIC® LI2YCY PIMF	JE-Y(STY)	JE-LIYCY (TP)	Telephone indoor cable J-Y(STY)	Fire alarm cable J-Y(STY) red	UNITRONIC® J-2Y(STY)	Telephone outdoor cable	
Application																														
Additional control/time recording systems (ZK/ZE)																														
Operating data acquisition (BDE)																														
Clock systems																														
Forced entry alarm systems (EMA)																														
Fire alarm systems (BMA)																														
Telephone extension systems																														
Interphone/Duplex systems																														
Electroacoustic systems (ELA/PA)																														
Sound studio cable/microphone cable																														
Printer/Plotter																														
Direct current stepping motors																														
Encoder																														
Industrial sensors, U < 50 Veff																														
Industrial actuators, U < 50 Veff																														
Measurement and control system, analog (MSR)																														
MSR, digital																														
In electronic instruments																														
For cutting/clipping technology (0.34 mm ² /AWG 22)																														
Temperature range																														
+80 °C																														
+70 °C																														
+60 °C																														
-5 °C																														
-20 °C																														
-30 °C																														
-40 °C																														
Laying																														
For static laying outdoors																														
For direct laying underground																														
For static installation (indoors)																														
For flexible laying (indoors) occasionally																														
For continuous flexible laying (indoors/outdoors)																														
Make-up																														
Halogen free																														
Flame retardant, self extinguishing																														
For electr. symmetrical signal transmission (TP), twisted pair																														
For high end coupling of the pairs, screened																														
For electrical screening effect, total screening																														
For low attenuation transmission, low capacitance																														
With individually screened cores																														
With combined core pairs/individual conductors																														
With colour code DIN 47100																														
With UNITRONIC® colour code																														
With industrial electronics colour code VDE 0815																														
With star-quad colour code "BD" to VDE 0815/0816																														
With pair colour code "LG" to VDE 0815																														
With special colour code																														
With numbered cores																														
With PVC/special PVC outer sheath																														
With PUR sheath, wear resistant, cutting resistant																														
With PE outer sheath (not flame-retardant)																														

Further halogen free cables and leads on request.

- = 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

Halogen free accessories:

Protective conduits

SILVYN® RILL PA6	SILVYN® EMC AS-CU
SILVYN® RILL PA12	SILVYN® SSUE
SILVYN® FPAS	SILVYN® UI 511
SILVYN® HCC	SILVYN® HFX
SILVYN® LCCH-2	SILVYN® CHAIN
SILVYN® AS	SILVYN® CHAIN STEEL
SILVYN® EDU-AS	SILVYN® MY PRO JACKET

Cable Glands

SKINTOP® ST-HF-M
SKINTOP® GMP-HF-M
SKINTOP® BLK-GL-M
SKINTOP® GMP-GL-M
SKINDICHT® KW-M
SKINDICHT® KU-M
SKINDICHT® EKU-M

Cable Marking

FLEXIMARK® single core marking
Flexipart, Marking collar, Flexiprint
FLEXIMARK® cable marking
System MINI, shrink tube marking
FLEXIMARK® Component marking
Engraved markers BMK, LB labels
DYMO® label strips

Accessories

Metal plates, Conductor end sleeves insulated
Insulated cable lugs, Insulating tape TBTA
Shrink tubing CMP/PKG/HSB/PLG
TEC sealing cap
TEB branch muff
KW plastic coil
Cable ties Basic Tie/TY-RAP®/TY-FAST®

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SKINTOP® SILVYN® FLEXIMARK® ACCESSORIES APPENDIX