


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 (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